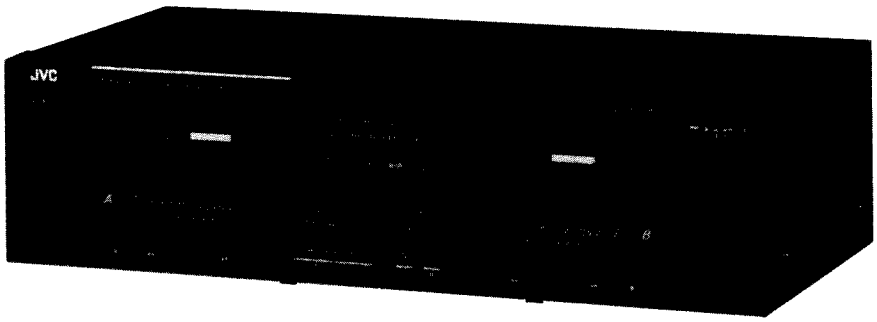
TD-W201 A/B/C/E/G/J/U
TD-W95 C/J

JVC

SERVICE MANUAL

STEREO DOUBLE CASSETTE DECK

TD-W201 A/B/C/E/G/J/U
TD-W95 C/J



■ **Difference Between TD-W95 and TD-W201**
TD-W201 is additionally equipped with the HEADPHONE circuit and DOLBY C noise reduction circuit both of which are not provided in TD-W95.

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No. 4298
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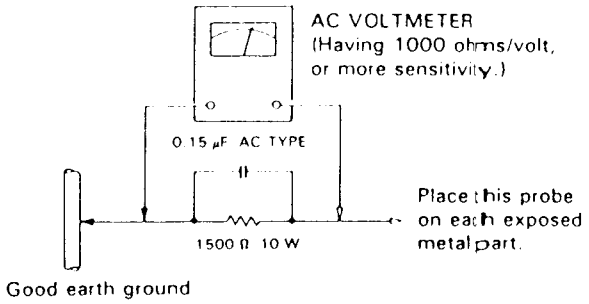
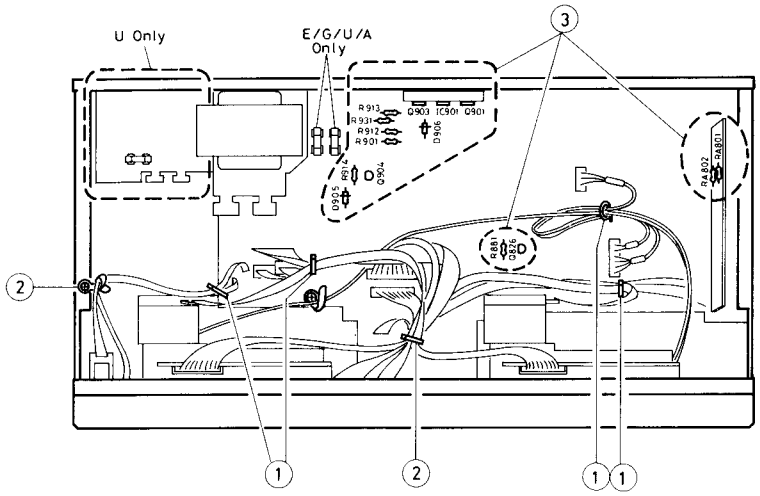
1 Safety Precautions

1. The design of this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacturer's warranty and will further relieve the manufacturer of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety-related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the Parts List of Service Manual. Electrical components having such features are identified by (⚠) on the Schematic Diagram and Parts List in the Service Manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the Parts List of Service Manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps, tubings, barriers and the like to be separated from live parts, high temperature parts, moving parts and/or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after re-assembling.
5. Leakage current check (Electrical shock hazard testing)
   After re-assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock.
   Do not use a line isolation transformer during this check.
   - Plug the AC line cord directly into the AC outlet. Using a "Leakage Current Tester", measure the leakage current from each exposed metal part of the cabinet, particularly any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exceed 0.5 mA AC (r.m.s.).
   - Alternate check method
     Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 Ω 10 W resistor paralleled by a 0.15 μF AC-type capacitor between an exposed metal part and a known good earth ground.
     Measure the AC voltage across the resistor with the AC voltmeter.
     Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75 V AC (r.m.s.). This corresponds to 0.5 mA AC (r.m.s.).


AC VOLTMETER
(Having 1000 ohms/volt, or more sensitivity.)
0.15 μF AC TYPE
1500 Ω 10 W
Place this probe on each exposed metal part.
Good earth ground

Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintained.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.



Note:

1. In order to avoid the primary circuit and heating parts, cords and wires connecting boards must be bound securely at the respective points shown in the figure.
2. Must be bound at the points shown in the figure in order to avoid the exposed part of the primary circuit and the mechanism driving section.
3. Make sure of wires not to touch [-------] parts since they are heating parts.

Specifications

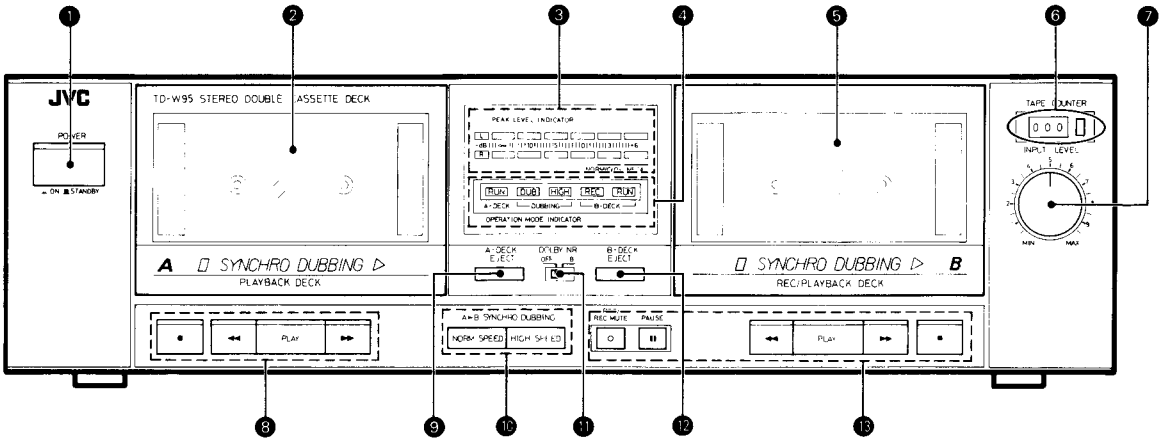
Type	: Stereo double cassette deck
Track system	: 4-track, 2-channel
Tape speed	: 4.8 cm/sec (1-7/8 inch/sec) (Normal) 9.5 cm/sec (3-3/4 inch/sec) (High)
Frequency response (−20 dB recording)	
Metal tape	: 30−16,000 Hz 40−15,000 Hz (±3 dB)
Chrome tape	: 30−16,000 Hz 40−15,000 Hz (±3 dB)
Normal tape	: 30−15,000 Hz 40−14,000 Hz (±3 dB)
S/N ratio	: 58 dB (S = 1 kHz, K3 = 3%, N = A-weighted, Metal tape) The S/N is improved by about 15 dB at 500 Hz, by max. 20 dB at 1 kHz − 10 kHz with DOLBY C NR on (TD-W201) and improved by 5 dB at 1 kHz and 10 dB at above 5 kHz with DOLBY B NR on (TD-W201/W95).
Improvement of MOL (TD-W201)	: 4 dB at 10 kHz with DOLBY C NR on
Wow and flutter	: 0.08% (WRMS)
Crosstalk	: 60 dB (1 kHz)
Harmonic distortion	: K3; 0.5%, THD; 1.0% (Metal tape, 1 kHz, 0 dB)
Channel separation	: 40 dB (1 kHz)
Heads	: Deck **A**; METAPERM head for playback Deck **B**; METAPERM head for recording/playback, 2-gap ferrite head for erasure
Motors	: Electronic governed DC motor for capstan/reel x 1 (for both decks **A** and **B**)
Fast Forward/ Rewind time	: Approx. 115 sec. with C-60 cassette
Input terminals	
LINE IN (X1 circuit)	: Min. input level; 80 mV Input impedance; 50 kΩ
Output terminals	
LINE OUT (X1 circuit)	: Output level; 300 mV Output impedance; 5 kΩ
PHONES X 1 (TD-W201 only)	: Output level; 0.3 mW/8 Ω Matching impedance; 8 Ω − 1 kΩ
Other terminals	: Remote (COMPU LINK-1) X 2
Power requirement	
TD-W201A/B	: AC 240 V, 50/60 Hz
TD-W201/W95C/J	: AC 120 V, 60 Hz
TD-W201U	: AC 230/127/110 V, 50/60 Hz
TD-W201E/G	: AC220V, 50/60Hz
Power consumption	: With power on; 17 W With power switch stand-by 1.5 W
Dimensions (W x H x D)	: 435 x 123 x 238 mm (17-3/16" x 4-7/8" x 9-3/8")
Weight	: 3.8 kg (8.4 lbs)

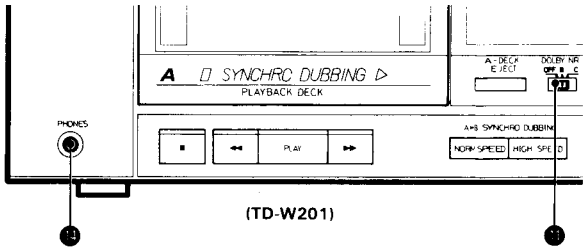
Accessories

Pin plug cord 2
Remote cable 1

Design and specifications are subject to change without notice.

NAMES OF PARTS AND THEIR FUNCTIONS





(TD-W201)

1 POWER switch

2 Cassette holder (deck A)

3 PEAK LEVEL INDICATOR

These indicate the recording level during recording and output level during playback. The LED indication varies with the signal strength during recording and playback.

4 Indicators

A-DECK

- **RUN** : Blinks when the tape is running in deck **A**.

DUBBING

- **DUB** : This lights to indicate the unit is in the dubbing mode.
- **HIGH** : This lights when in the high-speed dubbing.

B-DECK

- **REC** : This lights when deck **B** is in the recording and record-pause modes; blinks when in the rec. mute mode.
- **RUN** : Blinks when the tape is running in deck **B**. Lights when in the temporary pause mode.

5 Cassette holder (deck B)

6 TAPE COUNTER and Reset button (deck B)

7 INPUT LEVEL control

Adjust the recording level with this control.

8 Cassette operation buttons (deck A)

■ (stop) : Press to stop the tape. (The tape automatically stops when it reaches the end.)

◀◀ (rewind) : Press to rewind the tape.

PLAY : Press to play the tape.

▶▶ (fast forward) : Press to fast forward the tape.

9 A-DECK EJECT button

Press to open the cassette holder of deck **A**.

10 A ▶ B SYNCHRO DUBBING button

Press to dub from deck **A** to deck **B**.

- **NORM SPEED** : Press to perform normal-speed dubbing.
- **HIGH SPEED** : Press to perform high-speed dubbing.

11 DOLBY NR switch

Set to B (B or C for TD-W201) for recording using the Dolby NR system or for playing back a tape that was recorded using the Dolby NR system. Set to OFF when the Dolby NR system is not used.

12 B-DECK EJECT button

Press to open the cassette holder of deck **B**.

13 Cassette operation buttons (deck B)

○ REC/REC MUTE: Press the PLAY button while pressing this button for recording, and press to leave an appropriate non-recorded section. (Refer to page 00.)

II PAUSE : Press to stop the tape temporarily during recording and playback. Press the PLAY button to release the pause mode.

◀◀ (rewind) : Press to rewind the tape.

PLAY : Press to playback or record the tape.

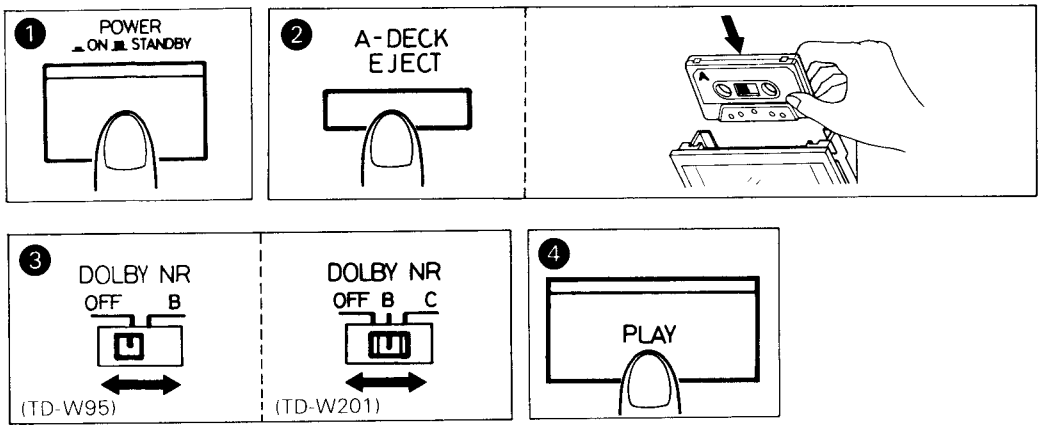
▶▶ (fast forward) : Press to fast forward the tape.

■ (stop) : Press to stop the tape. Also press to stop both decks simultaneously during dubbing.

14 PHONES jack (TD-W201 only)

Connect headphones (with an impedance of 8 Ω – 1 kΩ).

PLAYBACK



Playback of deck A

– Operate in the order of the numbers in the illustration –

1 Press the POWER switch to set to ON (⏏).
2 Load a prerecorded cassette. (deck **A**)
3 Set the DOLBY NR switch to the same position as when the tape was recorded.
4 Press the PLAY button of deck **A** to start playback.

Playback of deck B

Perform steps 2 to 4 of the above procedure for deck **B**.

Continuous play

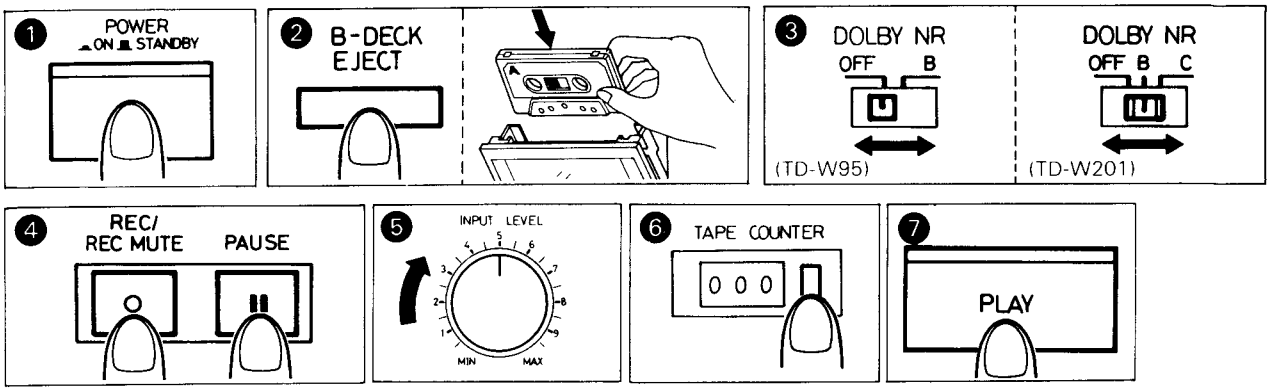
Load cassette tapes in both decks and press the PLAY button of the deck to be played first for continuous play of both decks. While one deck is playing back, the cassette in the other one can be replaced. This is convenient to the long-time playback of background music.

- When one side of the tape has been played, the deck enters the auto rewind mode and then the standby mode when the tape has been fully rewound.
- Press the ■ (stop) button of the deck that is running to stop continuous play.

Note: Use tapes recorded using the same NR mode in decks **A** and **B**.

RECORDING

Deck B only



– Operate in the order of the numbers in the illustration –

1 Press the POWER switch to set to ON (▬).
2 Load a cassette for recording.
3 Set the DOLBY NR switch as required.
4 Press the ❚❚ PAUSE button and ○ REC/REC MUTE button simultaneously (record-pause mode). The REC and RUN indicators light.
5 Adjust the recording level.
6 Press to "000".
7 Press the PLAY button to start recording.

WARNING
It may be unlawful to record or play back copyrighted material without the consent of the copyright owner.

Erasing
When recording on a prerecorded tape, the previous recording is automatically erased and only the new program is recorded on the tape.

To erase a tape without making a new recording . . . . .
Follow the section "RECORDING" but in step 5 set the INPUT LEVEL control to MIN.

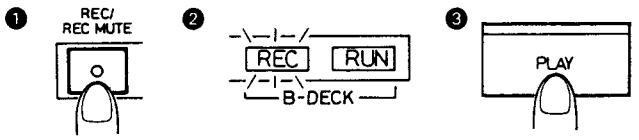
Dolby NR System
To reduce the hiss inherent in tape recording, use the Dolby NR System when making recording. When listening to a tape recorded with the Dolby NR System, set the DOLBY NR switch to B (B or C [TD-W201]) according to the system selected in the recording mode.

Automatic Recording Muting
(Deck B)

This facility is used to eliminate undesired sections and leave an appropriate non-recorded section.

A. To leave non-recorded sections of about 4–5 seconds automatically

1 When the undesired section comes during recording, press the ○ REC/REC MUTE button and release it.
2 The REC indicator flashes and a non-recorded section is made during record muting operation.
About 4–5 seconds later, the tape automatically stops, and the unit enters the record-pause mode.
3 Press the PLAY button to start recording again.



B. To leave non-recorded sections of more than 4–5 seconds

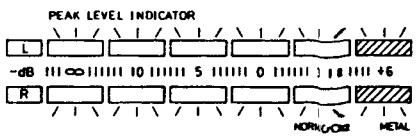
1 Keep the ○ REC/REC MUTE button pressed continously as long as you want to make a non-recorded section.
By releasing the finger from the button after the above operation, the unit enters the record-pause mode.
2 Press the PLAY button to start recording again.

C. To leave non-recorded section of less than 4 seconds

When the undesired section comes during recording . . . . After the ○ REC/REC MUTE button is pressed, press the PLAY button before the unit enters the pause mode to start recording again, or press the ❚❚ PAUSE button to enter the record-pause mode.

- The PEAK LEVEL INDICATOR lights even during record muting according to the input level which can be heard from the speakers or headphones so that recording can be resumed at the exact point on the tape.

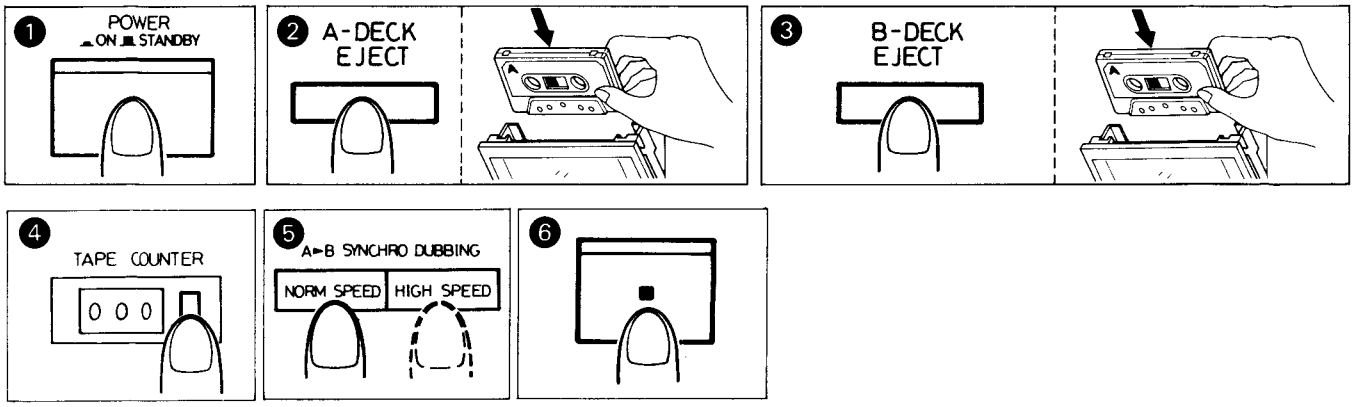
Recording level adjustment
Adjust the recording level while observing the PEAK LEVEL INDICATOR indication.
For example:



- If "+6" lights too often because the recording level is too high, the recorded sound may be distorted and seem to be breaking up.
If only "0" lights infrequently, the level is too low and the recording may contain tape hiss.
- It is best to adjust the recording level near the tape's saturation level. The best level varies depending on the type of music and type of tape so it is better to make test recording, using FM music, records, etc.

DUBBING

(SYNCHRO DUBBING)



1 Press the POWER switch to ON (▬).
2 Insert a pre-recorded cassette into deck **A**.
3 Insert the blank tape into deck **B**.
4 Push the counter reset button to reset to "000".
5 Press the SYNCHRO DUBBING (NORM or HIGH SPEED) button to start dubbing.
6 Press the ■ (stop) button of deck **B** to stop dubbing.

- When deck **B** stops, the dubbing mode is automatically released.

- **Synchro record muting**
  When deck **A** stops or enters any mode other than the playback mode during dubbing, deck **B** enters the record mute operation automatically and then enters the record-pause mode.
- **Before pressing the SYNCHRO DUBBING button**
  Confirm that deck **B** is in the stop mode before starting dubbing.

Dubbing and DOLBY NR switch

During dubbing, the same NR mode selected for the playback cassette is applied to the recording cassette, regardless of the position of the NR switch.

Input level

Recording is performed at the same level as the playback tape during dubbing regardless of the position of the INPUT LEVEL control.

Tape editing

1. Press the ❚❚ PAUSE button when finished dubbing a tune.
2. Press the ■ (stop) button of deck **A** and search for the next tune you want by using the ▶▶ (fast forward), ◀◀ (rewind) or PLAY button. Then stop the cassette just before the beginning of the tune.
3. Press the same SYNCHRO DUBBING button pressed before the pause again, and dubbing will start.

Notes at dubbing

1. Normal-speed dubbing is recommended to obtain good sound quality.
2. When operating in the high-speed dubbing mode, this unit may cause television interference. If this happens, either turn off the television set or use the normal-speed dubbing mode.

2 Location of Main Parts

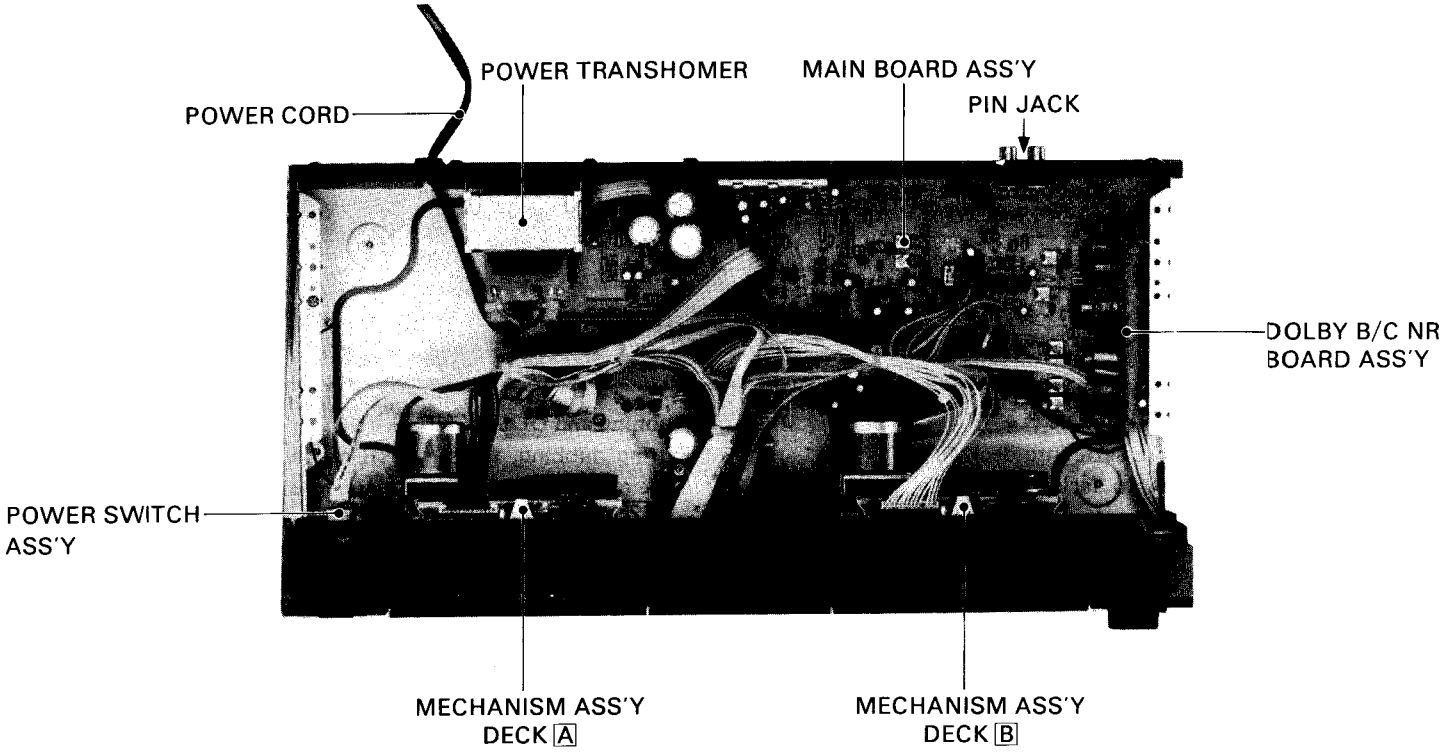


Fig. 2-1

3 Removal of Main Parts

Enclosure section (Fig.3-1~3-2)

- **Removal of top cover**

1. Remove four screws retaining the both sides of the top cover.
2. Remove two screws retaining the rear side of the top cover.

- **Removal of bottom cover**

1. Remove three screws retaining the front side and center of the bottom cover.
2. Remove three screws retaining the rear side of the bottom cover.

- **Removal of rear panel and main board ass'y**

1. Remove six screws retaining the pin jack ass'y, SYNCHRO jack ass'y, heat sink and retaining the rear panel of the chassis.
2. Remove four screws retaining the power transformer.

■ **Removal of mechanism ass'y**

1. Remove one screw retaining the main board ass'y from bottom side.
2. Disconnect the wires between the mechanism ass'y and the P.C. board.
3. Remove four screws ② or ②' retaining the mechanism ass'y.
4. Disengage and remove the counter belt from the counter.
5. Open the cassette door, and draw out the mechanism ass'y to the top side.

■ **Removal of counter and input volume ass'y**

1. Pull out the input volume knob.
2. Remove two screws ③ retaining the counter bracket.

■ **Removal of peak level indicator**

1. Remove two pawls ④.

■ **DOLBY B or B/C NR switch**

1. Remove two pawls ⑤.

■ **Power switch ass'y**

1. Remove two screws ⑥.

■ **Cassette holder ass'y**

1. Remove one screw ⑦ or ⑦' retaining the damper ass'y.
2. Remove the C. holder arm shaft from holder bracket (the same both for Deck [A] and Deck [B]).

■ **Key switch board and key button**

1. Remove cassette holders (Deck [A] and Deck [B]).
2. Remove four screws ⑧ retaining the holder bracket.
3. Remove five screws retaining the switch board.
4. Remove the screw Ⓨ securing the button ass'y.

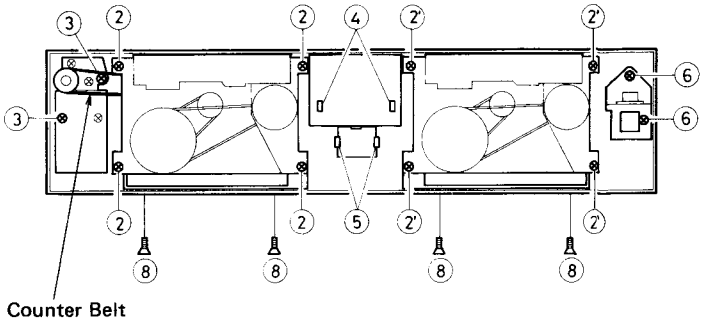


Fig. 3-1

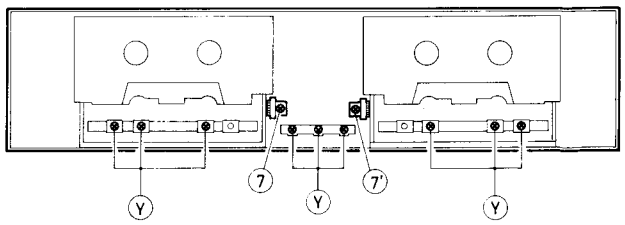


Fig. 3-2

Mechanism section (Fig. 3-3~3-7)

■ **R/P head**

Remove a screw ① fixing the head.
To remove this screw, loosen the head height adjusting screw ② (left side) and slide the head rightwards.

■ **Erase head**

Remove two screws ③.

■ **Pinch roller ass'y**

Disengage the pawl of the pinch roller ass'y and pull it up (see the figure on the right).
At this time, the return spring comes off.

■ **Supply disk ass'y**

Remove the washer from the reel disk top.

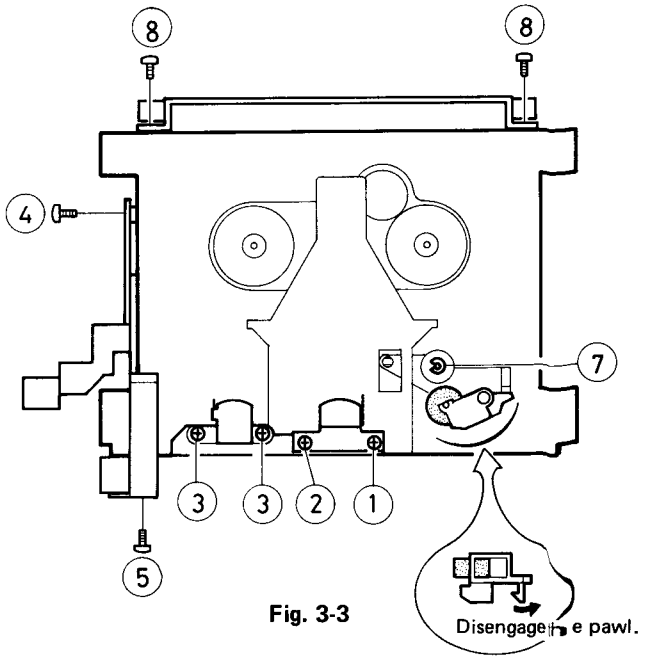


Fig. 3-3

■ **Motor bracket and Motor ass'y**

1) Remove a screw ④ securing the eject leter.
2) Remove a screw ⑤ securing the bracket for cassette door spring.
3) Disassemble the motor bracket from the chassis in the following order. (Don't perform forcibly.)

(1) To disengage the pawl at ⓐ, insert an ordinary (–) screwdriver between the chassis and the bracket, and slightly twist the bracket in the direction of the counter clock.

(2) Insert an ordinary (–) screwdriver between the chassis (at the point ⓑ) and the bracket to disengage the pawl at ⓑ.

(3) Pull the motor bracket upward twisting it rightwards.

● **Reassembly of motor ass'y**

(1) Insert the bend of the motor bracket under the disk chassis and set it at the left of the protrusion of the chassis.

(2) Set the bracket at the point ⓒ first, and then set it at the point ⓐ by sliding it from the right top side.

(3) Finally, assemble them at the point ⓑ.

■ **Flywheel ass'y**

1) Remove the washer ⑦ of the capstan shaft.
2) Pull out the flywheel ass'y.

■ **Replacement of Leaf switch**

1) Remove two screws ⑧ securing the switch protector.
2) Detach the switch from the P.C. board.

■ **Disk unit, soneoild, leaf switch board ass'y**

1) Remove the bracket of the leaf switch protector.
2) Remove two screws ⑨ securing the disk base ass'y. (The take-up disk ass'y can be removed at this stage.)

■ **Cam gear**

1) Disengage the spring ⓓ of the lever, and then remove the washer ⑩ of the lever.
2) Remove the washer ⑪ of the cam gear.
3) For reassembling the cam gear, refer to the illustration.

■ **Main gear**

1) Remove the E-ring securing the gear and pull the main gear upwards.
2) For reassembling the main gear, refer to the illustration.

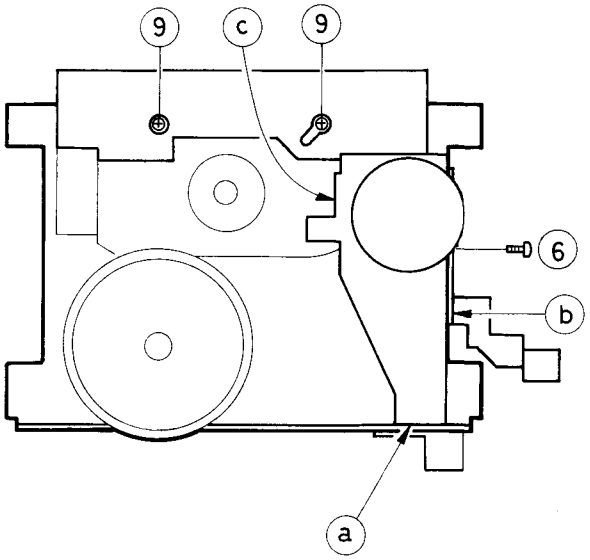


Fig. 3-4

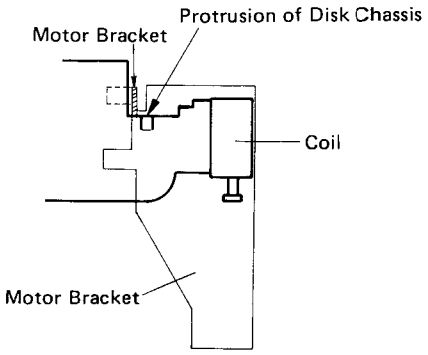


Fig. 3-5

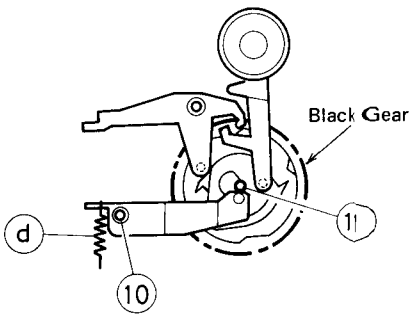


Fig. 3-6

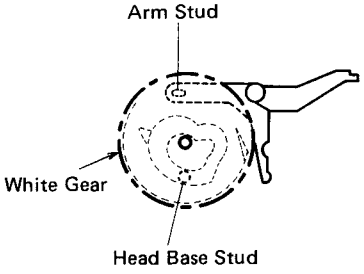


Fig. 3-7

4 Main Adjustments

1. Equipment and measuring instruments used for adjustment

1. Electrical adjustment

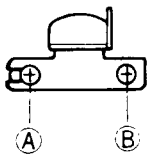
1) Electronic voltmeter
2) Audio frequency oscillator (range: 50 – 20 kHz and output 0 dB with impedance 600 Ω)
3) Attenuator
4) Standard tapes for REC/PB
   Maxell UD – Norom (TS9) tape . . .
   TDK SA – Chrome (TS-6)tspe. . . } – or equivalent
   JVC ME – Metal (TS-11)tape . . .
5) Reference tapes for playback (JVC Test Tape)
   VTT703L (for head azimuth adj.)
   VTT712 (for motor speed, wow flutter adj.)
   TMP735 (for playback frequency response)
   VTT724 (for playback level)
6) Resistor 600 Ω (for attenuator matching)

2. Mechanical adjustment

1) Torque testing cassette gauge, CTG-N
2) M300 gauge
3) Screwdriver set

2. Mechanical adjustment

(Adjust the mechanism or confirm that it is in normal operating condition prior to the adjustment of the electrical circuit.)

Item	Adjustment	Adjusting point	Standard value	Remarks
Adjusting record/playback head position 	1. Connect an electronic voltmeter to the LINE OUT terminals. 2. Play back the VTT703L test tape. 3. Adjust the head angle with the screw Ⓐ until the reading of the electronic voltmeter becomes maximum for both channels. 4. After adjusting, set the screw with screw bond.	Screw Ⓐ	Maximum	If the head is worn, disconnected or exceedingly magnetized so as not to provide the necessary characteristics, replace it with a new one. After replacement, the head position adjustment as well as the playback level adjustment, the bias current adjustment and the recording level adjustment are all necessary. If the output difference between the left and right channels exceeds 3 – 4 dB, the head is defective. Replace it with a new one.
Adjusting motor speed	Connect an electronic counter to the LINE OUT terminals. Play back the VTT712 test tape. After high speed adjustment, perform normal speed adjustment. 1. Adjust the normal speed of deck [A] to 3000 Hz with VR702 (VR704 for deck B). 2. Ground the high speed test point of the main board, and adjust VR701 and VR703 so that motor speed becomes 6000 ± 30 Hz at the forced high speed.	Deck [A] NORM: VR702 HIGH: VR701 Deck [B] NORM: VR704 HIGH: VR703	NORM speed: 3000 ± 15 Hz HIGH speed: 6000 ± 30 Hz	At motor speed adjustment, keep the following conditions: Deck A ≧ Deck B
Checking wow and flutter	Connect a wow and flutter meter to LINE OUT terminals. Play back the VTT712 test tape. Check to see if the reading of the meter is within 0.15% (WTD).		0.15% (WTD)	If the reading becomes moving value even if conforming to the standard, a re-claim may be raised. Repairs are necessary.
Checking playback torque	Employ a torque testing cassette tape for the checking, or remove the cassette cover and use a torque gauge.		30~700 gr-cm	If the standard torque is not obtained, replace the take-up disc assembly.

Item	Adjustment	Adjusting point	Standard value	Remarks
Checking fast forward torque	Measure the torque in the fast forward mode in the same manner as in the above.		60~200 gr-cm	
Checking rewind torque	Measure the torque in the rewind mode in the same manner as in the above.		60~200 gr-cm	

3. Electrical adjustments location

Main Amp. P.W. Board (parts assembly side view)

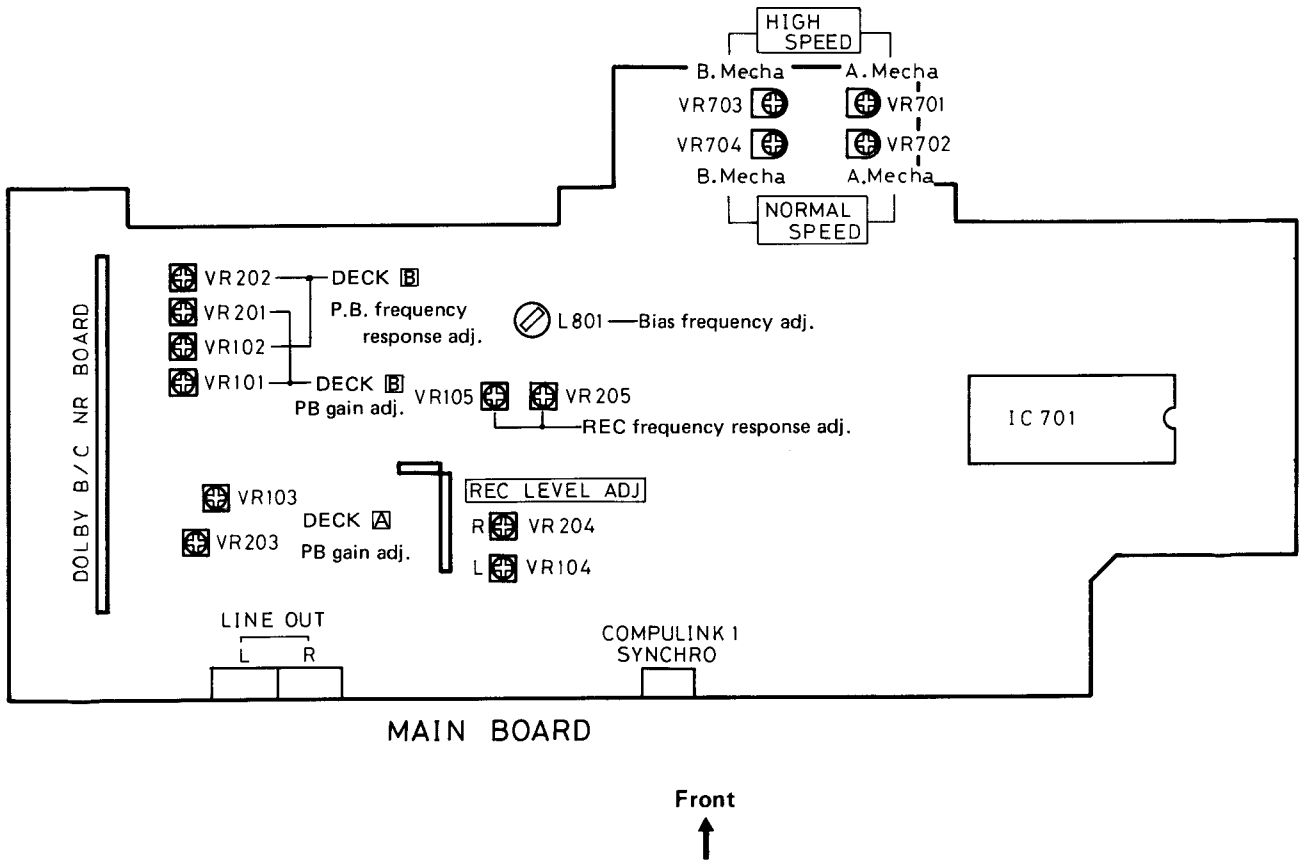


Fig. 4-1 Fig. 4-2

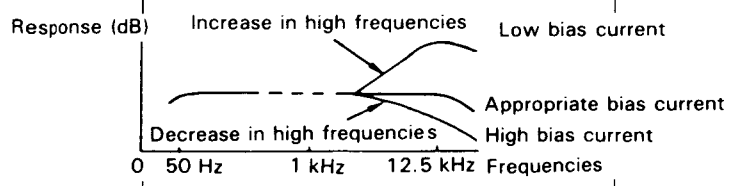
4. Electrical circuit adjustment procedure

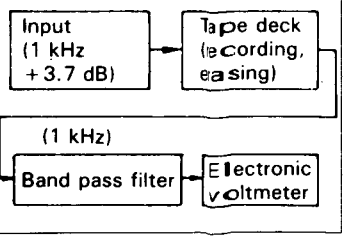
Perform the tape transport checks and head azimuth adjustment before following checks and adjustments.
Adjustment should be performed in the order of alignment steps.
In the steps marked with an asterisk (*), adjustment should be performed after replacing the heads.
Perform this adjustment with the NR switch set to OFF.

Step	Item	Check and Adjustment			
				Input signal (frequency, level)	Output raise value, deviation value
1	Checking DOLBY circuit (Rec mode) (BIAS, CUT)	Signal input: LINE IN Cal. level: 400 Hz, −2.5dBs···TD-W95 −8.2dBs···TD-W201 Output terminal: CNA02⑦ & ⑧ 7···Rch 8···Lch	DOLBY B (Rec) TD-W95/ TD-W201	1 kHz, Cal. −40 dB	+5.7 dB ± 2 dB
				5 kHz, Cal. −20 dB	+3.5 dB ± 1.5 dB
				1 kHz, Cal.	0 dB ± 0.5 dB/1.0 dB
			DOLBY C (Rec) TD-W201 only	1 kHz, Cal. −40 dB	+16.2 dB$^{+3}_{-2}$ dB
				5 kHz, Cal. −20 dB	+2.9 dB ± 2.5 dB
				1 kHz, Cal.	0 dB ± 1 dB

0 dBs : 0.775 V

Step	Item	Adjustment	Adjusting point	Standard value	Remarks Remarks
*2	Confirming playback gain	Play back VTT724, then confirm that the level at LINE OUT is −7 dBs ± 0.5 dB. Adjust VR103, VR203 and VR101, VR-201 so that LINE OUT level becomes −7 dBs (Deck [A]) or −8 dBs (Deck [B]).	Deck [A] L: VR103 R: VR203 Deck [B] L: VR101 R: VR201	Deck [A] −7 ± 0.5 dB Deck [B] −8 ± 0.5 dB	When the head is replaced, adjust playback gain level.
*3	Playback frequency response	Deck [A] : Play back TMT735, then confirm that the level of 1 kHz and 12.5 kHz signals is 0 ± 0.5 dB. Adjust VR102, VR202 so that line out level becomes 0.5 dB (Deck B).	Deck [B] L: VR102 R: VR202	Deck [A] : 1 ± 0.5 dB Deck [B] : 0.5 ± 0.5 dB	VTT739 can be used for TMT-735 tape. However, there is a little difference in their specifications as follows: TMT735 (1 kHz, 12.5 kHz) VTT739 (63 Hz, 1 kHz, 10 kHz)
*4	Adjusting bias frequency	Connect the frequency counter to the C923 lead through a 1.2 MΩ resistor, then adjust L801 so that the counter reads 95 kHz.	L801	95 kHz ± 3 Hz	METAL position
*5	Recording frequency response	1) NR switch : OFF 2) Record a 1 kHz signal at an input reference level of −20 dB, then record 50 Hz and 12.5 kHz signals and play them back. At this time, adjust VR105 and VR205 so that the deviation of 50 Hz and 12.5 kHz outputs satisfy the standard values with respect to 1 kHz output.	For Normal tape L: VR105 R: VR205	With respect to 1 kHz reference: At 50 Hz, 0 ± 3 dB At 12.5 kHz 0 ± 0.5 dB	CrO_2 50 Hz 0 ± 3 dB 12.5 kHz 0 ± 3 dB Metal 50 Hz 0 ± 3 dB 12.5 kHz 0 ± 3 dB



Step	Item	Adjustment	Adjusting point	Standard value	Remarks
*6	Erase current check	Connect a 1 Ω resistor to the erase head terminal, and confirm that the voltage at the both ends meets the specifications in the Rec. mode.		NORM tape: 57 mV ± 15% CrO_2 tape: 85 mV ± 15% METAL tape: 150mV±15%	This adjustment must be performed after completion of the bias current adjustment.
*7	Recording gain	1) Apply a 1 kHz signal to the LINE IN terminals, record a 1 kHz signal at reference level (−8 dBs) input for both (L and R) channels on a normal tape. 2) Play back the recorded part, and adjust the recording level controls so that LINE OUT terminal level becomes −7 dBs. Then adjust VR104 and VR204 so that LINE OUT terminal level becomes −7 dBs.	For Normal tape: L: VR104 R: VR204	−7±0.5 dBs CrO_2 −7±1 dBs Metal −7±1 dBs	
*8	Checking record/ playback distortion	1) Record a 1 kHz, − 20 dB signal to LINE IN terminals. 2) Play back the recorded part. Check the output with a distortion meter to see if the value conforms to the standard value.		Normal tape: Less than 2% CrO_2 tape: Less than 3% Metal tape: Less than 2% (THD)	Be sure to perform this checking following bias current and recording level checking.
9	Checking signal to noise ratio in recording/ playback	1) Record a 1 kHz, − 20 dB signal. Stop the input by disconnecting from the terminal to perform non-signal recording. 2) Play back the recorded part. Measure the −8dBs recording output and the non-signal recording output for comparison using an electronic voltmeter. Check to see if the value conforms to the standard value.		Normal, CrO_2 & Metal tapes: More than 42 dB	Apply an input level to LINE IN terminals with the recording level controls set to maximum so that the peak level indicator reads 0 dB.
10	Checking erasing coefficient	1) Apply a 1 kHz − 20 dB signal to the LINE IN terminals. 2) Perform recording with the signal enhanced by 20 dB. 3) Erase a part of the recording. 4) Measure the output difference between the erased part and non-erased part to compare with an electronic voltmeter.		More than 65 dB	For the measurement using a metal tape, connect a band pass filter between the deck and the electronic voltmeter. 

5 Block Diagram

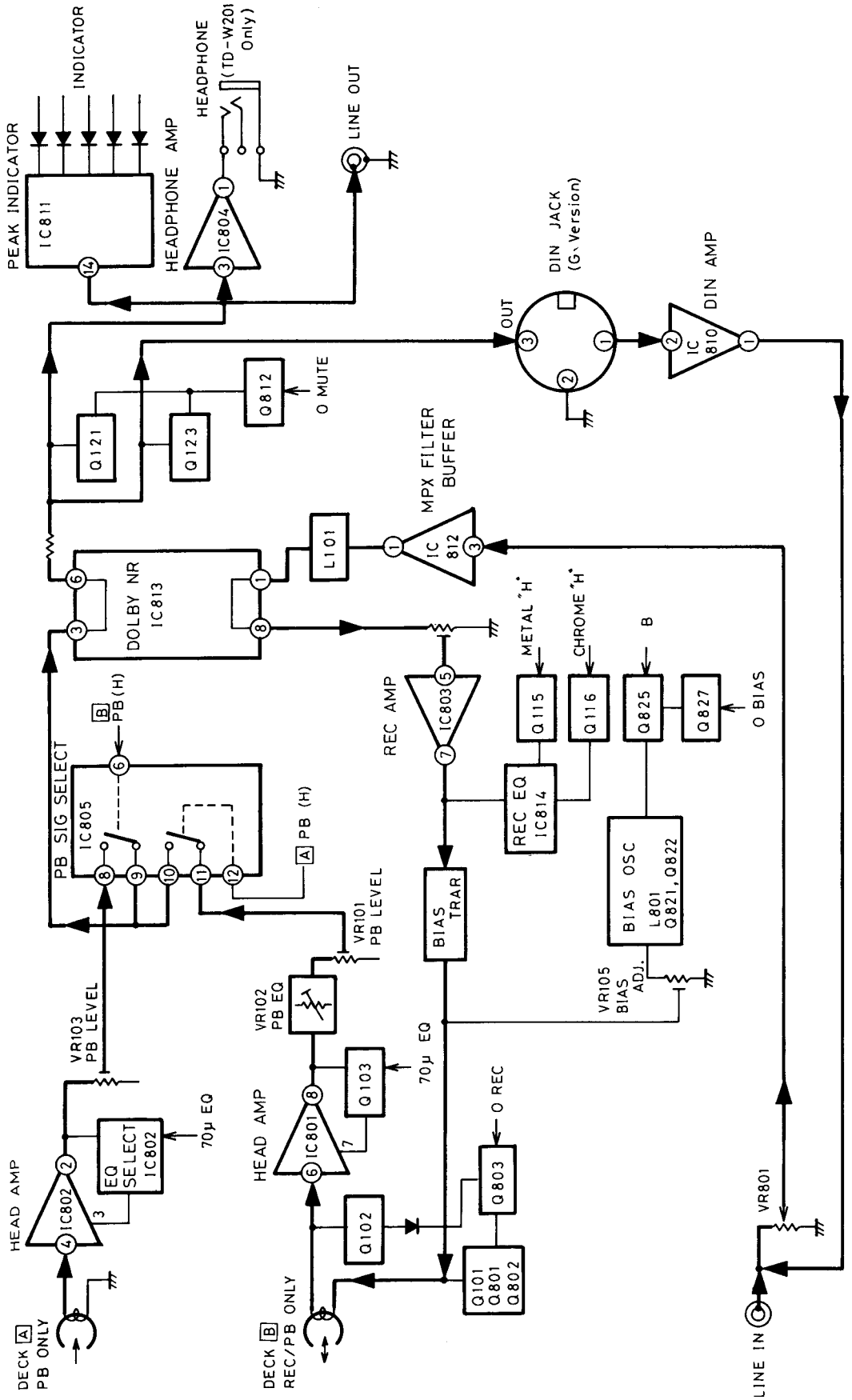


Fig. 5-1

6 Wiring Connection

(TD-W201 only)

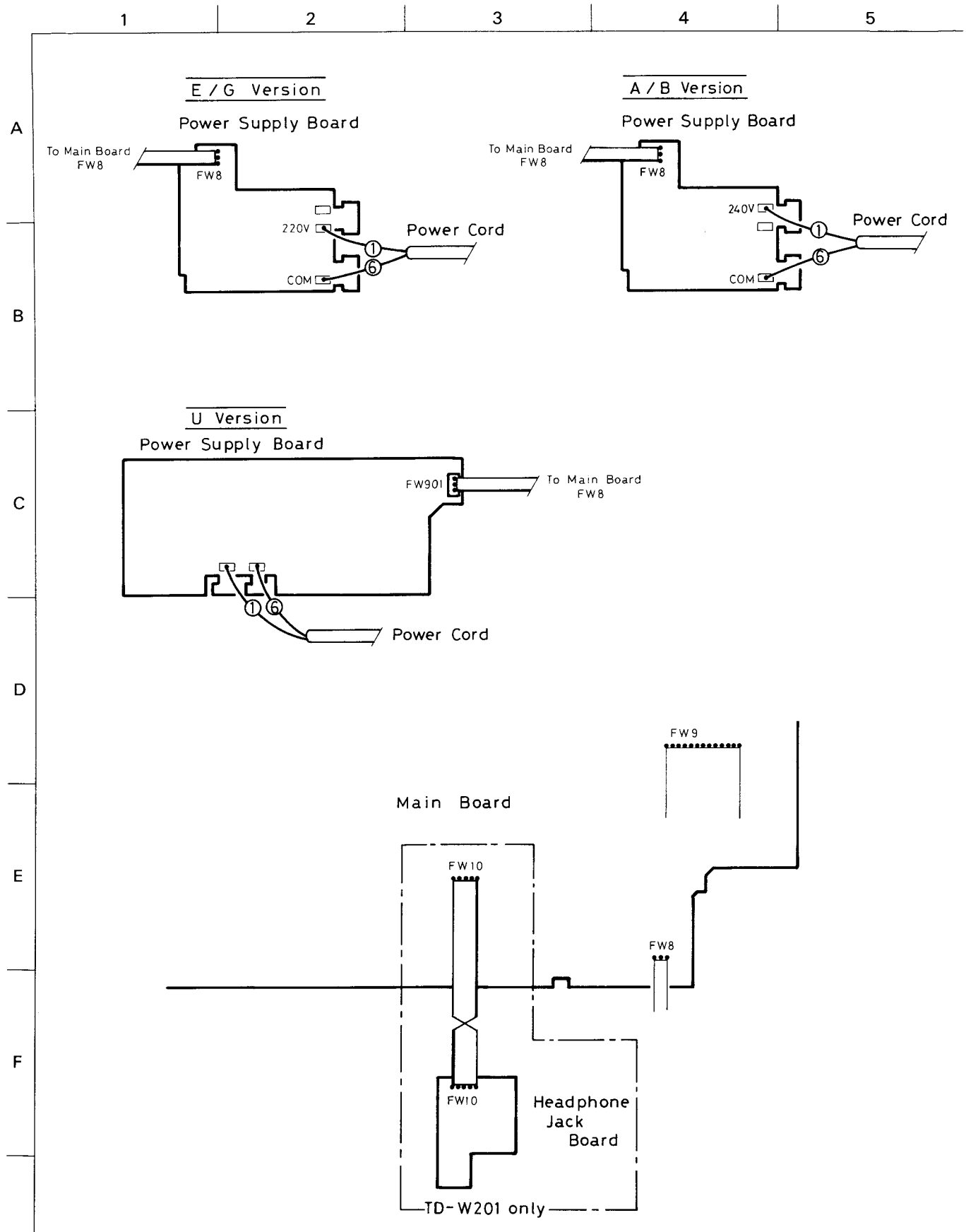


Fig. 6-1

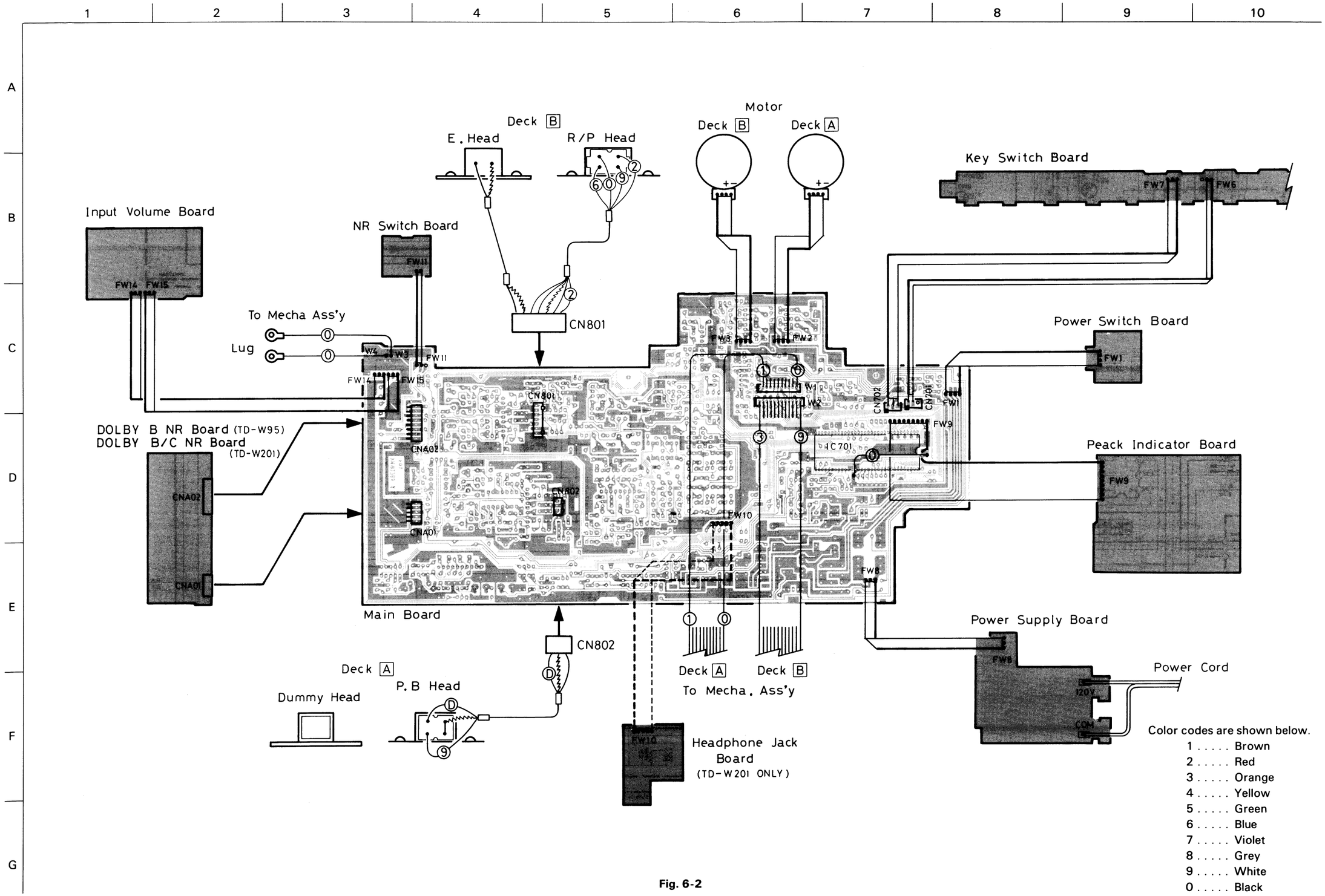
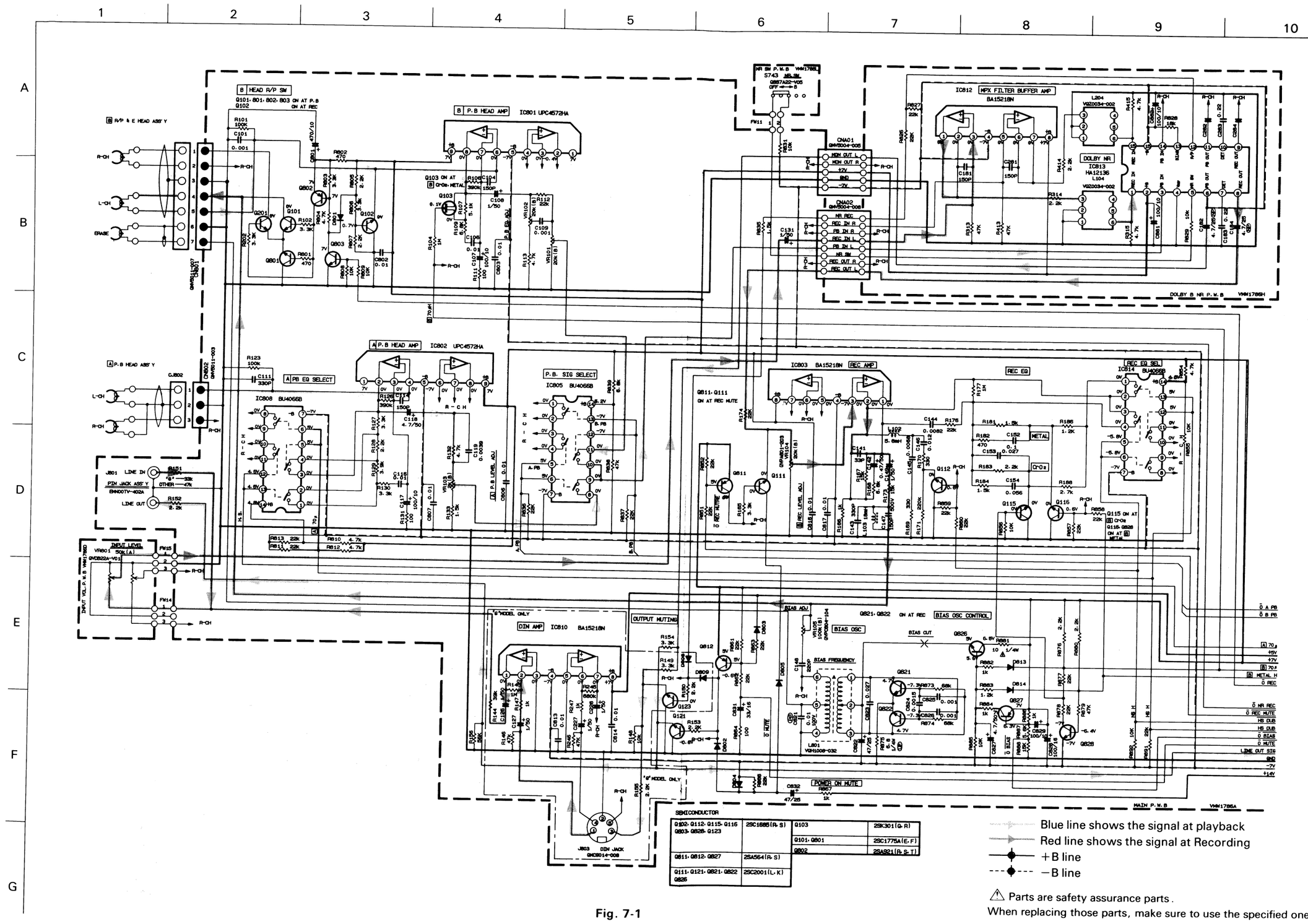

Motor
Deck B
Deck A
Deck B
E. Head
R/P Head
CN801
Key Switch Board
FW7
FW6
Input Volume Board
FW14 FW15
NR Switch Board
FW11
To Mecha Ass'y
Lug
Power Switch Board
FW1
FW3 FW2
W1
W2
CN702
CN701
FW1
FW9
IC701
Peack Indicator Board
FW9
CN801
FW14
FW15
W3
W4
FW11
CNA02
DOLBY B NR Board (TD-W95)
DOLBY B/C NR Board
(TD-W201)
CNA02
CNA01
CN802
CNA01
FW10
FW8
Main Board
CN802
Deck A
P.B Head
Dummy Head
Deck A
Deck B
To Mecha. Ass'y
Power Supply Board
FW8
120V
COM
Power Cord
FW10
Headphone Jack
Board
(TD-W201 ONLY)
Color codes are shown below.
1 . . . . . Brown
2 . . . . . Red
3 . . . . . Orange
4 . . . . . Yellow
5 . . . . . Green
6 . . . . . Blue
7 . . . . . Violet
8 . . . . . Grey
9 . . . . . White
0 . . . . . Black

Fig. 6-2

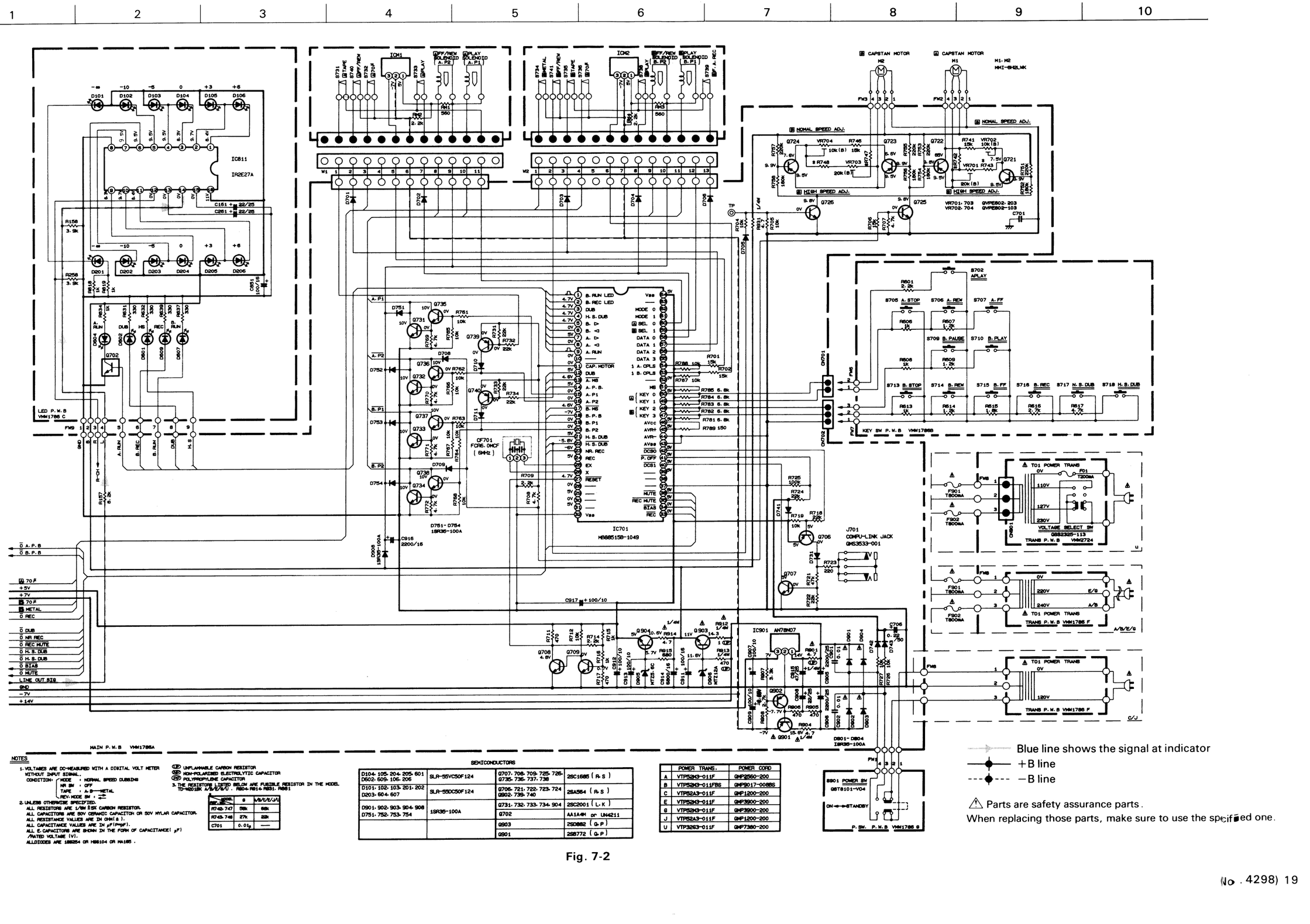
7 Standard Schematic Diagrams (TD-W95 only)



⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Fig. 7-1

(TD-W95 only)



Blue line shows the signal at indicator
+B line
−B line

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION: MODE : NORMAL SPEED DUBBING
   NR SW : OFF
   TAPE : A·B——METAL
   REV.MODE SW : ⇄
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/8W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM(Ω).
   ALL CAPACITANCE VALUES ARE IN μF(pF).
   ALL E CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL DIODES ARE 1SS254 OR MSS104 OR HA165 .

(UR) UNFLAMMABLE CARBON RESISTOR
(NP) NON-POLARIZED ELECTROLYTIC CAPACITOR
(PP) POLYPROPYLENE CAPACITOR

3. THE RESISTORS LISTED BELOW ARE FUSIBLE RESISTOR IN THE MODEL TD-W201BK A/B/E/G/J . R804·R814·R831·R881

REF. NO.	0	W/E/G/J/U
R745·747	56k	68k
R746·748	27k	33k
C701	0.01μ	—

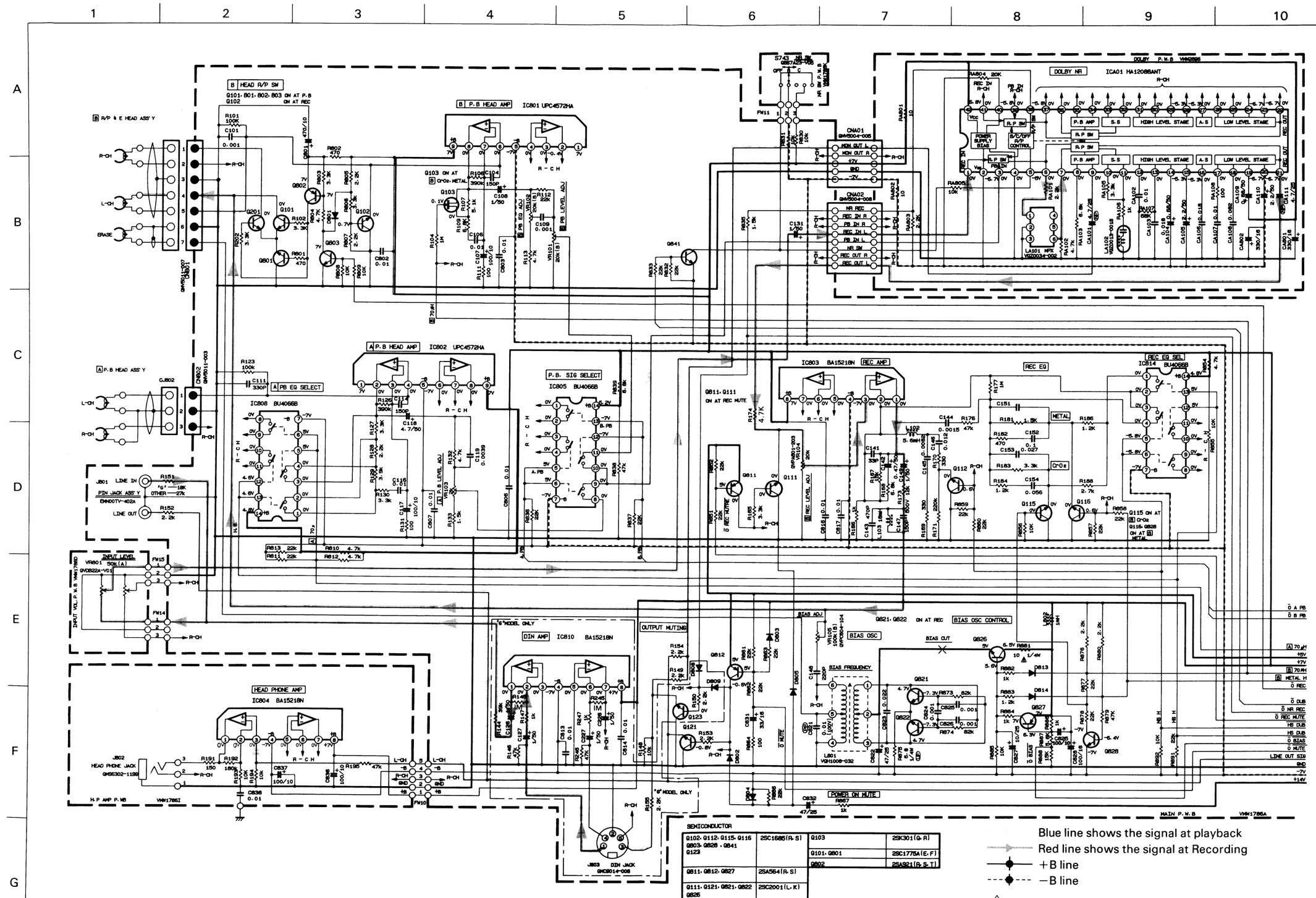
SEMICONDUCTORS

D104·105·204·205·601 D602·605·106·206	SLR-55VC50F124	Q707·708·709·725·726·0735·736·737·738	2SC1685 (A·S)
D101·102·103·201·202 D203·604·607	SLR-55DC50F124	Q706·721·722·723·724 Q902·739·740	2SA564 (A·S)
D901·902·903·904·908 D751·752·753·754	1SR35-100A	Q731·732·733·734·904	2SC2001 (L·K)
		Q702	AA1A4H or UN4211
		Q903	2SD882 (G·P)
		Q901	2SB772 (G·P)

	POWER TRANS.	POWER CORD
A	VTP52H3-011F	GMP2560-200
B	VTP52H3-011FBS	GMP9017-00BBS
C	VTP52A3-011F	GMP1200-200
E	VTP52H3-011F	GMP3900-200
G	VTP52H3-011F	GMP3900-200
J	VTP52A3-011F	GMP1200-200
U	VTP3263-011F	GMP7380-200

Fig. 7-2

(TD-W201 only)



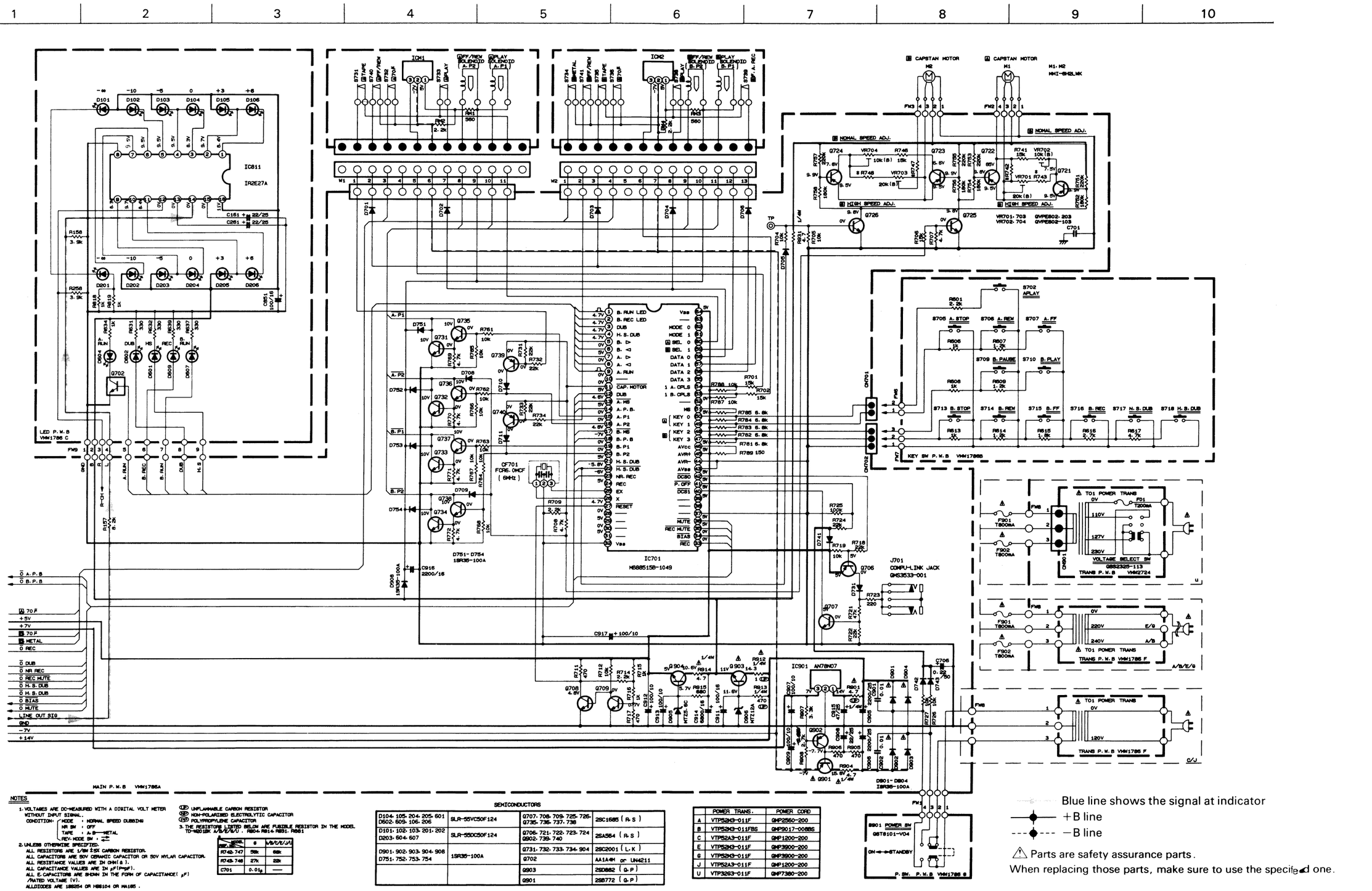
SEMICONDUCTOR			
Q102 Q112 Q115 Q116 Q803 Q828 Q841 Q123	2SC1685(R.S)	Q103	2SK301(Q.R)
		Q101 Q801	2SC1775A(E.F)
		Q802	2SA921(R.S.T)
Q811 Q812 Q827	2SA564(R.S)		
Q111 Q121 Q821 Q822 Q826	2SC2001(L.K)		

Blue line shows the signal at playback
Red line shows the signal at Recording
+B line
−B line

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

Fig. 7-3

(TD-W201 only)



NOTES

1. VOLTAGES ARE DC-MEASURED WITH A DIGITAL VOLT METER WITHOUT INPUT SIGNAL.
   CONDITION: MODE : NORMAL SPEED DUBBING; NR SW : OFF; TAPE : A.B—METAL; REV. MODE SW : ⇄
2. UNLESS OTHERWISE SPECIFIED.
   ALL RESISTORS ARE 1/4W ±5% CARBON RESISTOR.
   ALL CAPACITORS ARE 50V CERAMIC CAPACITOR OR 50V MYLAR CAPACITOR.
   ALL RESISTANCE VALUES ARE IN OHM (Ω).
   ALL CAPACITANCE VALUES ARE IN μF(P=μF).
   ALL E.CAPACITORS ARE SHOWN IN THE FORM OF CAPACITANCE(μF) /RATED VOLTAGE (V).
   ALL DIODES ARE 1SS254 OR HSS104 OR MA165 .

(UF) UNFLAMMABLE CARBON RESISTOR
(NP) NON-POLARISED ELECTROLYTIC CAPACITOR
(PP) POLYPROPYLENE CAPACITOR

3. THE RESISTORS LISTED BELOW ARE FUSIBLE RESISTOR IN THE MODEL TD-W201BK A/B/E/G/U . R804 R814 R831 R881

MODEL / REF.NO.	B	A/B/C/E/J/U
R746·747	56k	68k
R745·748	27k	33k
C701	0.01μ	——

SEMICONDUCTORS

D104·105·204·205·601 D602·609·106·206	SLR-55VC50F124	Q707·708·709·725·726· Q735·736·737·738	2SC1685 (R-S)
D101·102·103·201·202 D203·604·607	SLR-550C50F124	Q706·721·722·723·724 Q902·739·740	2SA564 (R-S)
D901·902·903·904·908 D751·752·753·754	1SR35-100A	Q731·732·733·734·904	2SC2001 (L-K)
		Q702	AA1A4H or UN4211
		Q903	2SD882 (G-P)
		Q901	2SB772 (G-P)

	POWER TRANS.	POWER CORD
A	VTP52H3-011F	GMP2560-200
B	VTP52H3-011FBS	GMP9017-008BS
C	VTP52A3-011F	GMP1200-200
E	VTP52H3-011F	GMP3900-200
G	VTP52H3-011F	GMP3900-200
J	VTP52A3-011F	GMP1200-200
U	VTP3263-011F	GMP7360-200

Blue line shows the signal at indicator
+B line
−B line

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

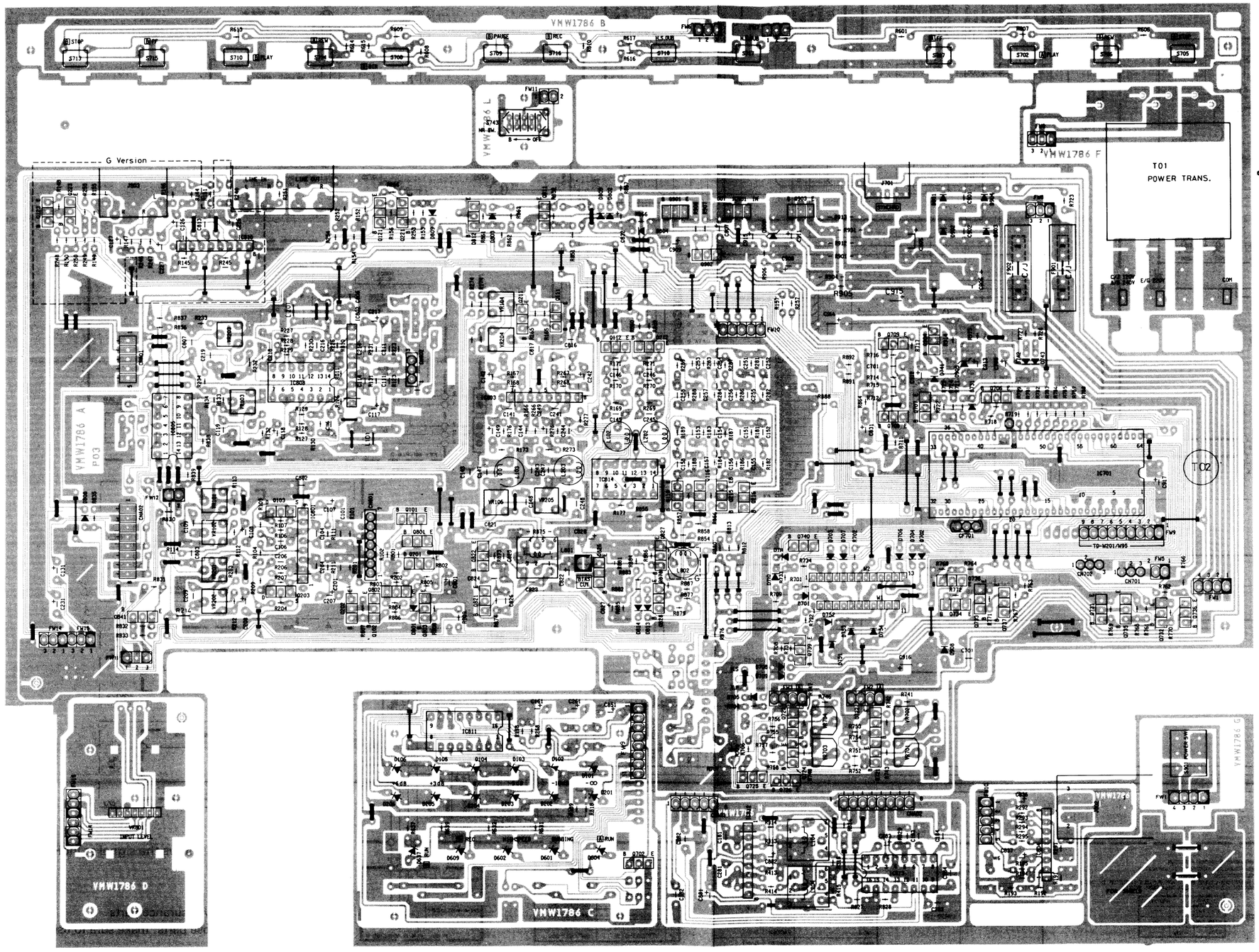
Fig. 7-4

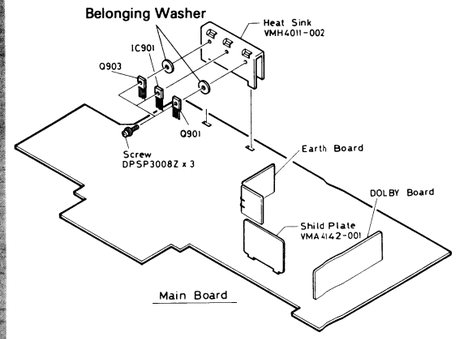
8 Location of P.C. Board Parts and Parts List

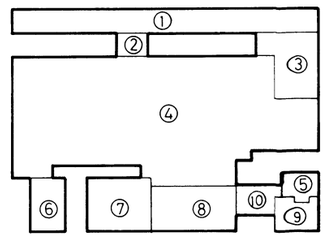
1 2 3 4 5 6 7 8 9 10

A B C D E F G

■ Main P.C. Board







1. Key Switch Board
2. NR Switch Board
3. Power Supply Board
4. Main Board
5. Power Switch Board
6. Input Volume Board
7. Peak Indicator Board
8. DOLBY B NR Board (TD-W95 only)
9. Shield Board
10. Headphone Jack Board (TD-W201 only)

■ **Headphone Jack Board Parts List** (TD-W201 only)

Ref. No.	Parts No.	Parts Name
R191	QRD161J-151Y	C. Resistor
R192	QRD161J-184Y	C. Resistor
R193	QRD161J-103Y	C. Resistor
R194	QRD161J-103Y	C. Resistor
R195	QRD161J-473Y	C. Resistor
R291	QRD161J-151Y	C. Resistor
R292	QRD161J-184Y	C. Resistor
R293	QRD161J-103Y	C. Resistor
R294	QRD161J-103Y	C. Resistor
R295	QRD161J-473Y	C. Resistor
C836	QETC1AM-107ZM	E. Capacitor
C837	QETC1AM-107ZM	E. Capacitor
J802	QMS6302-122	Jack
IC804	BA15218N	IC

Fig. 8-1

■ Main P.C. Board Parts List

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME
	CF701	FCR6.0MCF	CERA LOCK
	CNA01	QMV5004-005	CONNECTOR
	CNA02	QMV5004-008	PLUG
	CN701	VMC0107-002	SOCKET
	CN702	VMC0107-003	CONNECTOR
	CN801	QMV5011-007	CONNECTOR
	CN802	QMV5011-003	CONNECTOR
	C101	QFN31HJ-102Z	M.CAPACITOR
	C104	QCS31HJ-151Z	C.CAPACITOR
	C106	QFV71HJ-103ZM	TF.CAPACITOR
	C107	QETC1AM-107ZM	E.CAPACITOR
	C108	QETC1HM-105ZM	E.CAPACITOR
	C109	QCY31HK-102Z	C.CAPACITOR
	C111	QCS31HJ-331Z	C.CAPACITOR
	C114	QCS31HJ-151Z	C.CAPACITOR
	C116	QFV71HJ-103ZM	TF.CAPACITOR
	C117	QETC1AM-107ZM	E.CAPACITOR
	C118	QETC1HM-475ZM	E.CAPACITOR
	C119	QCY31HK-392Z	C.CAPACITOR
	C126	QETC1HM-105ZM	E.CAPACITOR
	C127	QETC1HM-105ZM	E.CAPACITOR
	C131	QETC1HM-105ZM	E.CAPACITOR
	C141	QCS31HJ-330Z	C.CAPACITOR
	C142	QETC1HM-474ZM	E.CAPACITOR
	C143	QCS31HJ-331Z	C.CAPACITOR
	C144	QCY31HK-822Z	C.CAPACITOR
	C145	QFN31HJ-682Z	M.CAPACITOR
	C146	QFV71HJ-123ZM	TF CAPACITOR
	C147	QCS32HJ-151ZV	C CAPACITOR
	C148	QCS31HJ-221Z	C.CAPACITOR
	C149	QETC1HM-105ZM	E.CAPACITOR
	C152	QCC31EM-104ZV	C CAPACITOR
	C153	QCC31EM-273ZV	C.CAPACITOR
	C154	QCC31EM-563ZV	C.CAPACITOR
	C161	QETC1EM-226ZM	E CAPACITOR
	C181	QCS31HJ-151Z	C.CAPACITOR
	C182	QEN61EM-475Z	NP.E.CAPACITOR
	C183	QFV71HJ-224ZM	TF CAPACITOR
	C184	QEN61EM-475Z	NP.E.CAPACITOR
	C201	QFN31HJ-102Z	M.CAPACITOR
	C204	QCS31HJ-151Z	C.CAPACITOR
	C206	QFV71HJ-103ZM	TF.CAPACITOR
	C207	QETC1AM-107ZM	E.CAPACITOR
	C208	QETC1HM-105ZM	E.CAPACITOR
	C209	QCY31HK-102Z	C.CAPACITOR
	C211	QCS31HJ-331Z	C.CAPACITOR
	C214	QCS31HJ-151Z	C.CAPACITOR
	C216	QFV71HJ-103ZM	TF.CAPACITOR
	C217	QETC1AM-107ZM	E.CAPACITOR
	C218	QETC1HM-475ZM	E.CAPACITOR
	C219	QCY31HK-392Z	C.CAPACITOR
	C226	QETC1HM-105ZM	E.CAPACITOR
	C227	QETC1HM-105ZM	E.CAPACITOR
	C231	QETC1HM-105ZM	E.CAPACITOR
	C241	QCS31HJ-330Z	C.CAPACITOR
	C242	QETC1HM-474ZM	E.CAPACITOR
	C243	QCS31HJ-331Z	C.CAPACITOR
	C244	QCY31HK-822Z	C.CAPACITOR
	C245	QFN31HJ-682Z	M.CAPACITOR
	C246	QFV71HJ-123ZM	TF CAPACITOR
	C247	QCS32HJ-151ZV	C CAPACITOR
	C248	QCS31HJ-221Z	C.CAPACITOR
	C249	QETC1HM-105ZM	E.CAPACITOR
	C252	QCC31EM-104ZV	C CAPACITOR
	C253	QCC31EM-273ZV	C.CAPACITOR
	C254	QCC31EM-563ZV	C.CAPACITOR
	C261	QETC1EM-226ZM	E CAPACITOR
	C281	QCS31HJ-151Z	C.CAPACITOR
	C282	QEN61EM-475Z	NP.E.CAPACITOR
	C283	QFV71HJ-224ZM	TF CAPACITOR
	C284	QEN61EM-475Z	NP.E.CAPACITOR
	C701	QCF31HP-103Z	C.CAPACITOR
	C706	QETC1HM-224ZM	E.CAPACITOR
	C801	QETC1AM-477ZM	E.CAPACITOR
	C802	QCF31HP-103Z	C.CAPACITOR
	C803	QCF31HP-103Z	C.CAPACITOR
	C806	QCF31HP-103Z	C.CAPACITOR
	C807	QCF31HP-103Z	C.CAPACITOR
	C813	QCF31HP-103Z	C.CAPACITOR
	C814	QCF31HP-103Z	C.CAPACITOR
	C816	QCF31HP-103Z	C.CAPACITOR
	C817	QCF31HP-103Z	C.CAPACITOR
	C821	QFP82AJ-103	P.P.CAPACITOR
	C822	QETC1EM-476ZM	E CAPACITOR
	C823	QFV71HJ-273ZM	TF.CAPACITOR
	C824	QFN31HJ-152Z	M.CAPACITOR
	C825	QFN31HJ-102Z	M.CAPACITOR
	C826	QFN31HJ-102Z	M.CAPACITOR
	C827	QETC1HM-475ZM	E.CAPACITOR
	C828	QETC1CM-107ZM	E.CAPACITOR
	C829	QETB1AM-107N	E CAPACITOR
	C831	QETC1CM-336ZM	E CAPACITOR
	C832	QETC1EM-476ZM	E CAPACITOR
	C851	QETC1CM-107ZM	E.CAPACITOR
	C881	QETC1AM-107ZM	E.CAPACITOR
	C882	QETC1AM-107ZM	E.CAPACITOR
	C901	QCF31HP-103Z	C.CAPACITOR
	C902	QCF31HP-103Z	C.CAPACITOR
	C905	QETB1EM-228N	E CAPACITOR
	C906	QETB1EM-228N	E CAPACITOR
	C907	QETC1AM-107ZM	E.CAPACITOR
	C908	QETC1EM-226ZM	E CAPACITOR
	C909	QETC1AM-107ZM	E.CAPACITOR
	C911	QETC1CM-107ZM	E.CAPACITOR
	C912	QETC1AM-107ZM	E.CAPACITOR
	C913	QETC1AM-107ZM	E.CAPACITOR
	C914	QETB1CM-688N	E.CAPACITOR
	C915	QETC1EM-476ZM	E CAPACITOR
	C916	QETB1EM-228N	E CAPACITOR
	C917	QETC1AM-107ZM	E.CAPACITOR
	D101	SLR-55DC50F124	LED (M.N.P)
	D102	SLR-55DC50F124	LED (M.N.P)
	D103	SLR-55DC50F124	LED (M.N.P)
	D104	SLR-55VC50F124	LED (M.N.P)
	D105	SLR-55VC50F124	LED (M.N.P)
	D106	SLR-55VC50F124	LED (M.N.P)
	D201	SLR-55DC50F124	LED (M.N.P)
	D202	SLR-55DC50F124	LED (M.N.P)
	D203	SLR-55DC50F124	LED (M.N.P)
	D204	SLR-55VC50F124	LED (M.N.P)
	D205	SLR-55VC50F124	LED (M.N.P)
	D206	SLR-55VC50F124	LED (M.N.P)
	D601	SLR-55VC50F124	LED (M.N.P)
	D602	SLR-55VC50F124	LED (M.N.P)
	D604	SLR-55DC50F124	LED (M.N.P)
	D607	SLR-55DC50F124	LED (M.N.P)
	D609	SLR-55VC50F124	LED (M.N.P)
	D701	HSS104TJ	SI DIODE
	D702	HSS104TJ	SI DIODE
	D703	HSS104TJ	SI DIODE
	D704	HSS104TJ	SI DIODE
	D705	HSS104TJ	SI DIODE
	D706	HSS104TJ	SI DIODE
	D708	HSS104TJ	SI DIODE
	D709	HSS104TJ	SI DIODE
	D710	HSS104TJ	SI DIODE
	D711	HSS104TJ	SI DIODE
	D731	HSS104TJ	SI DIODE
	D741	HSS104TJ	SI DIODE
	D742	HSS104TJ	SI DIODE
	D743	HSS104TJ	SI DIODE
	D751	1SR35-100AT-93	SI DIODE
	D752	1SR35-100AT-93	SI DIODE
	D753	1SR35-100AT-93	SI DIODE
	D754	1SR35-100AT-93	SI DIODE
	D801	HSS104TJ	SI DIODE
	D802	HSS104TJ	SI DIODE
	D803	HSS104TJ	SI DIODE
	D804	HSS104TJ	SI DIODE
	D805	HSS104TJ	SI DIODE
	D808	HSS104TJ	SI DIODE
	D809	HSS104TJ	SI DIODE
	D813	HSS104TJ	SI DIODE
	D814	HSS104TJ	SI DIODE
⚠	D901	1SR35-100AT-93	SI DIODE
⚠	D902	1SR35-100AT-93	SI DIODE
⚠	D903	1SR35-100AT-93	SI DIODE
⚠	D904	1SR35-100AT-93	SI DIODE
	D905	MTZ5.6CT-77	Z.DIODE
	D906	MTZ12AT-77	Z DIODE

⚠	REF. NO	PARTS NO.	PARTS NAME
	D908	1SR35-100AT-93	SI DIODE
	IC701	MB88515B-1049	IC
	IC801	UPC4572HA	IC
	IC802	UPC4572HA	IC
	IC803	BA15218N	IC
	IC805	BU4066B	I C
	IC808	BU4066B	I C
	IC810	BA15218N	IC
	IC811	IR2E27A	I.C
	IC812	BA15218N	IC
	IC813	HA12136	IC
	IC814	BU4066B	I C
	IC901	AN78N07	I.C
	J701	QMS3533-001	JACK
	J801	EMN00TV-402A	PIN JACK
	J803	QMC9014-008	DIN SOCKET
	L102	VQP0001-562S	INDUCTOR
	L103	VQP0001-183S	INDUCTOR
	L104	VQZ0034-002	MPX FILTER
	L202	VQP0001-562S	INDUCTOR
	L203	VQP0001-183S	INDUCTOR
	L204	VQZ0034-002	MPX FILTER
	L801	VQH1008-032	OSC COIL(BIAS)
	L802	VQP0001-102S	INDUCTOR
	Q101	2SC1775A(E,F)TZ	TRANSISTOR
	Q102	2SC1685(R,S)TA	TRANSISTOR
	Q103	2SK301(Q,R)TA	FET I.M
	Q111	2SC2001(L,K)-T	TRANSISTOR
	Q112	2SC1685(R,S)TA	TRANSISTOR
	Q115	2SC1685(R,S)TA	TRANSISTOR
	Q116	2SC1685(R,S)TA	TRANSISTOR
	Q121	2SC2001(L,K)-T	TRANSISTOR
	Q123	2SC1685(R,S)TA	TRANSISTOR
	Q201	2SC1775A(E,F)TZ	TRANSISTOR
	Q202	2SC1685(R,S)TA	TRANSISTOR
	Q203	2SK301(Q,R)TA	FET I.M
	Q211	2SC2001(L,K)-T	TRANSISTOR
	Q212	2SC1685(R,S)TA	TRANSISTOR
	Q215	2SC1685(R,S)TA	TRANSISTOR
	Q216	2SC1685(R,S)TA	TRANSISTOR
	Q221	2SC2001(L,K)-T	TRANSISTOR
	Q223	2SC1685(R,S)TA	TRANSISTOR
	Q702	UN4211TA	TRANSISTOR
	Q706	2SA564(R,S)TA	TRANSISTOR
	Q707	2SC1685(R,S)TA	TRANSISTOR
	Q708	2SC1685(R,S)TA	TRANSISTOR
	Q709	2SC1685(R,S)TA	TRANSISTOR
	Q721	2SA564(R,S)TA	TRANSISTOR
	Q722	2SA564(R,S)TA	TRANSISTOR
	Q723	2SA564(R,S)TA	TRANSISTOR
	Q724	2SA564(R,S)TA	TRANSISTOR
	Q725	2SC1685(R,S)TA	TRANSISTOR
	Q726	2SC1685(R,S)TA	TRANSISTOR
	Q731	2SC2001(L,K)-T	TRANSISTOR
	Q732	2SC2001(L,K)-T	TRANSISTOR
	Q733	2SC2001(L,K)-T	TRANSISTOR
	Q734	2SC2001(L,K)-T	TRANSISTOR
	Q735	2SC1685(R,S)TA	TRANSISTOR
	Q736	2SC1685(R,S)TA	TRANSISTOR
	Q737	2SC1685(R,S)TA	TRANSISTOR
	Q738	2SC1685(R,S)TA	TRANSISTOR
	Q739	2SA564(R,S)TA	TRANSISTOR
	Q740	2SA564(R,S)TA	TRANSISTOR
	Q801	2SC1775A(E,F)TZ	TRANSISTOR
	Q802	2SA921(S,T)TA	TRANSISTOR
	Q803	2SC1685(R,S)TA	TRANSISTOR
	Q811	2SA564(R,S)TA	TRANSISTOR
	Q812	2SA564(R,S)TA	TRANSISTOR
	Q821	2SC2001(L,K)-T	TRANSISTOR
	Q822	2SC2001(L,K)-T	TRANSISTOR
	Q826	2SC2001(L,K)-T	TRANSISTOR
	Q827	2SA564(R,S)TA	TRANSISTOR
	Q828	2SC1685(R,S)TA	TRANSISTOR
⚠	Q901	2SB772(Q,P)	TRANSISTOR
⚠	Q902	2SA564(R,S)TA	TRANSISTOR
⚠	Q903	2SD882(Q,P)	T.R
	Q904	2SC2001(L,K)-T	TRANSISTOR
	R101	QRD161J-104Y	CARBON RESISTOR
	R102	QRD161J-332Y	CARBON RESISTOR
	R104	QRD161J-105Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	R106	QRD161J-394Y	CARBON RESISTOR
	R107	QRD161J-512Y	CARBON RESISTOR
	R109	QRD161J-682Y	CARBON RESISTOR
	R111	QRD161J-101Y	CARBON RESISTOR
	R112	QRD161J-223Y	CARBON RESISTOR
	R113	QRD161J-472Y	CARBON RESISTOR
	R123	QRD161J-104Y	CARBON RESISTOR
	R126	QRD161J-394Y	CARBON RESISTOR
	R127	QRD161J-332Y	CARBON RESISTOR
	R128	QRD161J-222Y	CARBON RESISTOR
	R129	QRD161J-392Y	CARBON RESISTOR
	R130	QRD161J-332Y	CARBON RESISTOR
	R131	QRD161J-101Y	CARBON RESISTOR
	R132	QRD161J-472Y	CARBON RESISTOR
	R133	QRD161J-152Y	CARBON RESISTOR
	R144	QRD161J-393Y	CARBON RESISTOR
	R145	QRD161J-684Y	CARBON RESISTOR
	R146	QRD161J-473Y	CARBON RESISTOR
	R147	QRD161J-102Y	CARBON RESISTOR
	R148	QRD161J-103Y	CARBON RESISTOR
	R149	QRD161J-332Y	CARBON RESISTOR
	R150	QRD161J-222Y	CARBON RESISTOR
	R151	QRD161J-473Y	CARBON RESISTOR
	R152	QRD161J-222Y	CARBON RESISTOR
	R153	QRD161J-222Y	CARBON RESISTOR
	R154	QRD161J-332Y	CARBON RESISTOR
	R155	QRD161J-222Y	CARBON RESISTOR
	R156	QRD161J-563Y	CARBON RESISTOR
	R157	QRD161J-822Y	CARBON RESISTOR
	R158	QRD161J-392Y	CARBON RESISTOR
	R165	QRD161J-332Y	CARBON RESISTOR
	R166	QRD161J-102Y	CARBON RESISTOR
	R167	QRD161J-153Y	CARBON RESISTOR
	R168	QRD161J-682Y	CARBON RESISTOR
	R169	QRD161J-331Y	CARBON RESISTOE
	R170	QRD161J-331Y	CARBON RESISTOE
	R171	QRD161J-224Y	CARBON RESISTOR
	R173	QRD161J-153Y	CARBON RESISTOR
	R174	QRD161J-223Y	CARBON RESISTOR
	R176	QRD161J-223Y	CARBON RESISTOR
	R177	QRD161J-105Y	CARBON RESISTOR
	R181	QRD161J-152Y	CARBON RESISTOR
	R182	QRD161J-471Y	CARBON RESISTOR
	R183	QRD161J-222Y	CARBON RESISTOR
	R184	QRD161J-152Y	CARBON RESISTOR
	R186	QRD161J-122Y	CARBON RESISTOR
	R188	QRD161J-272Y	CARBON RESISTOR
	R201	QRD161J-104Y	CARBON RESISTOR
	R202	QRD161J-332Y	CARBON RESISTOR
	R204	QRD161J-105Y	CARBON RESISTOR
	R206	QRD161J-394Y	CARBON RESISTOR
	R207	QRD161J-512Y	CARBON RESISTOR
	R209	QRD161J-682Y	CARBON RESISTOR
	R211	QRD161J-101Y	CARBON RESISTOR
	R212	QRD161J-223Y	CARBON RESISTOR
	R213	QRD161J-472Y	CARBON RESISTOR
	R223	QRD161J-104Y	CARBON RESISTOR
	R226	QRD161J-394Y	CARBON RESISTOR
	R227	QRD161J-332Y	CARBON RESISTOR
	R228	QRD161J-222Y	CARBON RESISTOR
	R229	QRD161J-392Y	CARBON RESISTOR
	R230	QRD161J-332Y	CARBON RESISTOR
	R231	QRD161J-101Y	CARBON RESISTOR
	R232	QRD161J-472Y	CARBON RESISTOR
	R233	QRD161J-152Y	CARBON RESISTOR
	R244	QRD161J-393Y	CARBON RESISTOR
	R245	QRD161J-684Y	CARBON RESISTOR
	R246	QRD161J-473Y	CARBON RESISTOR
	R247	QRD161J-102Y	CARBON RESISTOR
	R248	QRD161J-103Y	CARBON RESISTOR
	R249	QRD161J-332Y	CARBON RESISTOR
	R250	QRD161J-222Y	CARBON RESISTOR
	R251	QRD161J-473Y	CARBON RESISTOR
	R252	QRD161J-222Y	CARBON RESISTOR
	R253	QRD161J-222Y	CARBON RESISTOR
	R254	QRD161J-332Y	CARBON RESISTOR
	R255	QRD161J-222Y	CARBON RESISTOR
	R256	QRD161J-563Y	CARBON RESISTOR
	R257	QRD161J-822Y	CARBON RESISTOR
	R258	QRD161J-392Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	R265	QRD161J-332Y	CARBON RESISTOR
	R266	QRD161J-102Y	CARBON RESISTOR
	R267	QRD161J-153Y	CARBON RESISTOR
	R268	QRD161J-682Y	CARBON RESISTOR
	R269	QRD161J-331Y	CARBON RESISTOE
	R270	QRD161J-331Y	CARBON RESISTOE
	R271	QRD161J-224Y	CARBON RESISTOR
	R273	QRD161J-153Y	CARBON RESISTOR
	R274	QRD161J-223Y	CARBON RESISTOR
	R276	QRD161J-223Y	CARBON RESISTOR
	R277	QRD161J-105Y	CARBON RESISTOR
	R281	QRD161J-152Y	CARBON RESISTOR
	R282	QRD161J-471Y	CARBON RESISTOR
	R283	QRD161J-222Y	CARBON RESISTOR
	R284	QRD161J-152Y	CARBON RESISTOR
	R286	QRD161J-122Y	CARBON RESISTOR
	R288	QRD161J-272Y	CARBON RESISTOR
	R313	QRD161J-473Y	CARBON RESISTOR
	R314	QRD161J-222Y	CARBON RESISTOR
	R315	QRD161J-472Y	CARBON RESISTOR
	R413	QRD161J-473Y	CARBON RESISTOR
	R414	QRD161J-222Y	CARBON RESISTOR
	R415	QRD161J-472Y	CARBON RESISTOR
	R601	QRD161J-222Y	CARBON RESISTOR
	R606	QRD161J-102Y	CARBON RESISTOR
	R607	QRD161J-122Y	CARBON RESISTOR
	R608	QRD161J-102Y	CARBON RESISTOR
	R609	QRD161J-122Y	CARBON RESISTOR
	R610	QRD161J-183Y	CARBON RESISTOR
	R613	QRD161J-102Y	CARBON RESISTOR
	R614	QRD161J-122Y	CARBON RESISTOR
	R615	QRD161J-182Y	CARBON RESISTOR
	R616	QRD161J-272Y	CARBON RESISTOR
	R617	QRD161J-472Y	CARBON RESISTOR
	R631	QRD161J-331Y	CARBON RESISTOE
	R632	QRD161J-331Y	CARBON RESISTOE
	R634	QRD161J-102Y	CARBON RESISTOR
	R637	QRD161J-331Y	CARBON RESISTOE
	R639	QRD161J-331Y	CARBON RESISTOE
	R701	QRD161J-153Y	CARBON RESISTOR
	R702	QRD161J-153Y	CARBON RESISTOR
	R704	QRD161J-103Y	CARBON RESISTOR
	R705	QRD161J-103Y	CARBON RESISTOR
	R706	QRD161J-153Y	CARBON RESISTOR
	R707	QRD161J-472Y	CARBON RESISTOR
	R708	QRD161J-472Y	CARBON RESISTOR
	R709	QRD161J-222Y	CARBON RESISTOR
	R711	QRD161J-471Y	CARBON RESISTOR
	R712	QRD161J-103Y	CARBON RESISTOR
	R714	QRD161J-222Y	CARBON RESISTOR
	R715	QRD161J-102Y	CARBON RESISTOR
	R716	QRD161J-102Y	CARBON RESISTOR
	R717	QRD161J-471Y	CARBON RESISTOR
	R718	QRD161J-223Y	CARBON RESISTOR
	R719	QRD161J-103Y	CARBON RESISTOR
	R721	QRD161J-473Y	CARBON RESISTOR
	R722	QRD161J-223Y	CARBON RESISTOR
	R723	QRD161J-221Y	CARBON RESISTOR
	R724	QRD161J-223Y	CARBON RESISTOR
	R725	QRD161J-104Y	CARBON RESISTOR
	R726	QRD161J-103Y	CARBON RESISTOR
	R727	QRD161J-103Y	CARBON RESISTOR
	R731	QRD161J-223Y	CARBON RESISTOR
	R732	QRD161J-223Y	CARBON RESISTOR
	R733	QRD161J-223Y	CARBON RESISTOR
	R734	QRD161J-223Y	CARBON RESISTOR
	R741	QRD161J-153Y	CARBON RESISTOR
	R742	QRD161J-683Y	CARBON RESISTOR
	R743	QRD161J-223Y	CARBON RESISTOR
	R746	QRD161J-153Y	CARBON RESISTOR
	R747	QRD161J-683Y	CARBON RESISTOR
	R748	QRD161J-223Y	CARBON RESISTOR
	R751	QRD161J-224Y	CARBON RESISTOR
	R752	QRD161J-184Y	CARBON RESISTOR
	R753	QRD161J-224Y	CARBON RESISTOR
	R754	QRD161J-184Y	CARBON RESISTOR
	R755	QRD161J-224Y	CARBON RESISTOR
	R756	QRD161J-184Y	CARBON RESISTOR
	R757	QRD161J-224Y	CARBON RESISTOR
	R758	QRD161J-184Y	CARBON RESISTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	R761	QRD161J-103Y	CARBON RESISTOR
	R762	QRD161J-103Y	CARBON RESISTOR
	R763	QRD161J-103Y	CARBON RESISTOR
	R764	QRD161J-103Y	CARBON RESISTOR
	R765	QRD161J-103Y	CARBON RESISTOR
	R766	QRD161J-103Y	CARBON RESISTOR
	R767	QRD161J-103Y	CARBON RESISTOR
	R768	QRD161J-103Y	CARBON RESISTOR
	R769	QRD161J-472Y	CARBON RESISTOR
	R770	QRD161J-472Y	CARBON RESISTOR
	R771	QRD161J-472Y	CARBON RESISTOR
	R772	QRD161J-472Y	CARBON RESISTOR
	R781	QRD161J-682Y	CARBON RESISTOR
	R782	QRD161J-682Y	CARBON RESISTOR
	R783	QRD161J-682Y	CARBON RESISTOR
	R784	QRD161J-682Y	CARBON RESISTOR
	R785	QRD161J-682Y	CARBON RESISTOR
	R787	QRD161J-103Y	CARBON RESISTOR
	R788	QRD161J-103Y	CARBON RESISTOR
	R789	QRD161J-151Y	CARBON RESISTOR
	R801	QRD161J-471Y	CARBON RESISTOR
	R802	QRD161J-471Y	CARBON RESISTOR
	R803	QRD161J-332Y	CARBON RESISTOR
	R804	QRD161J-472Y	CARBON RESISTOR
	R805	QRD161J-222Y	CARBON RESISTOR
	R806	QRD161J-332Y	CARBON RESISTOR
	R807	QRD161J-222Y	CARBON RESISTOR
	R808	QRD161J-103Y	CARBON RESISTOR
	R809	QRD161J-103Y	CARBON RESISTOR
	R810	QRD161J-472Y	CARBON RESISTOR
	R811	QRD161J-223Y	CARBON RESISTOR
	R812	QRD161J-472Y	CARBON RESISTOR
	R813	QRD161J-223Y	CARBON RESISTOR
	R818	QRD161J-102Y	CARBON RESISTOR
	R819	QRD161J-102Y	CARBON RESISTOR
	R826	QRD161J-223Y	CARBON RESISTOR
	R827	QRD161J-223Y	CARBON RESISTOR
	R828	QRD161J-183Y	CARBON RESISTOR
	R829	QRD161J-103Y	CARBON RESISTOR
	R831	QRD161J-103Y	CARBON RESISTOR
	R835	QRD161J-152Y	CARBON RESISTOR
	R836	QRD161J-223Y	CARBON RESISTOR
	R837	QRD161J-223Y	CARBON RESISTOR
	R838	QRD161J-473Y	CARBON RESISTOR
	R839	QRD161J-682Y	CARBON RESISTOR
	R851	QRD161J-223Y	CARBON RESISTOR
	R852	QRD161J-223Y	CARBON RESISTOR
	R854	QRD161J-472Y	CARBON RESISTOR
	R855	QRD161J-103Y	CARBON RESISTOR
	R856	QRD161J-103Y	CARBON RESISTOR
	R857	QRD161J-223Y	CARBON RESISTOR
	R858	QRD161J-223Y	CARBON RESISTOR
	R859	QRD161J-223Y	CARBON RESISTOR
	R860	QRD161J-223Y	CARBON RESISTOR
	R861	QRD161J-223Y	CARBON RESISTOR
	R862	QRD161J-223Y	CARBON RESISTOR
	R863	QRD161J-223Y	CARBON RESISTOR
	R864	QRD161J-101Y	CARBON RESISTOR
	R866	QRD161J-223Y	CARBON RESISTOR
	R867	QRD161J-102Y	CARBON RESISTOR
	R873	QRD161J-683Y	CARBON RESISTOR
	R874	QRD161J-683Y	CARBON RESISTOR
	R875	QRD149J-6R8S	CARBON RESISTOR
	R876	QRD161J-222Y	CARBON RESISTOR
	R877	QRD161J-223Y	CARBON RESISTOR
	R878	QRD161J-223Y	CARBON RESISTOR
	R879	QRD161J-473Y	CARBON RESISTOR
	R880	QRD161J-222Y	CARBON RESISTOR
	R881	QRZ0052-100	C RESISTOR
	R882	QRD161J-102Y	CARBON RESISTOR
	R883	QRD161J-122Y	CARBON RESISTOR
	R884	QRD161J-102Y	CARBON RESISTOR
	R885	QRD161J-103Y	CARBON RESISTOR
	R886	QRD161J-102Y	CARBON RESISTOR
	R887	QRD161J-562Y	CARBON RESISTOR
	R888	QRD161J-153Y	CARBON RESISTOR
	R891	QRD161J-223Y	CARBON RESISTOR
	R892	QRD161J-103Y	CARBON RESISTOR
⚠	R901	QRD149J-4R7S	CARBON RESISTOR
⚠	R904	QRZ0052-4R7	F.RESISTOR

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME
⚠	R905	QRD161J-471Y	CARBON RESISTOR
	R906	QRD161J-471Y	CARBON RESISTOR
	R907	QRD161J-332Y	CARBON RESISTOR
	R908	QRD161J-272Y	CARBON RESISTOR
⚠	R912	QRD149J-1ROS	CARBON RESISTOR
⚠	R913	QRD149J-471S	CARBON RESISTOR
⚠	R914	QRZ0052-4R7	F.RESISTOR
	R915	QRD161J-681Y	CARBON RESISTOR
	R931	QRH144J-4R7	FUSI RESISTOR
	S702	QSP1A11-V01	TACT SWITCH
	S705	QSP1A11-V01	TACT SWITCH
	S706	QSP1A11-V01	TACT SWITCH
	S707	QSP1A11-V01	TACT SWITCH
	S709	QSP1A11-V01	TACT SWITCH
	S710	QSP1A11-V01	TACT SWITCH
	S713	QSP1A11-V01	TACT SWITCH
	S714	QSP1A11-V01	TACT SWITCH
	S715	QSP1A11-V01	TACT SWITCH
	S716	QSP1A11-V01	TACT SWITCH
	S717	QSP1A11-V01	TACT SWITCH

⚠	REF. NO	PARTS NO.	PARTS NAME
	S718	QSP1A11-V01	TACT SWITCH
	S723	QSS7A22-V05	SLIDE SW
	S743	QSS7A22-V05	SLIDE SW
	S901	QST8101-V04	PUSH SW
	VR101	QVPA601-203	POTENTIOMETER
	VR102	QVPA601-203	POTENTIOMETER
	VR103	QVPA601-202	V.RESISTOR
	VR104	QVPA601-203	POTENTIOMETER
	VR105	QVPC604-104	V RESISTOR
	VR201	QVPA601-203	POTENTIOMETER
	VR202	QVPA601-203	POTENTIOMETER
	VR203	QVPA601-202	V.RESISTOR
	VR204	QVPA601-203	POTENTIOMETER
	VR205	QVPC604-104	V RESISTOR
	VR701	QVPE602-203	V.RESISTOR
	VR702	QVPE602-103	V.RESISTOR
	VR703	QVPE602-203	V.RESISTOR
	VR704	QVPE602-103	V.RESISTOR
	VR801	QVDB22A-V01	V RESISTOR
⚠	CN901	VMC0107-003	CONNECTOR

■ DOLBY Board

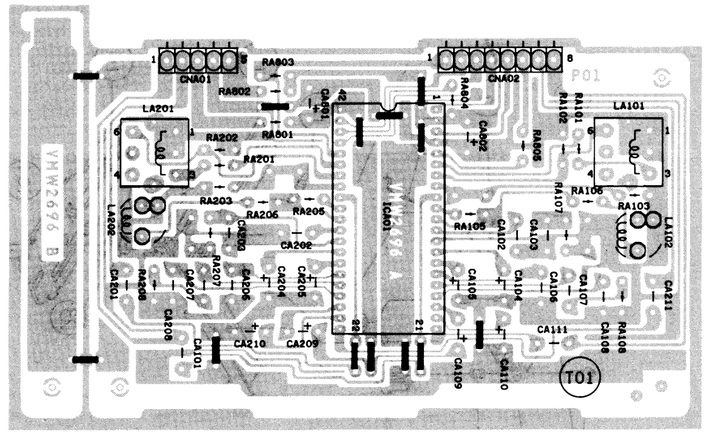


Fig. 8-2

■ DOLBY Board Parts List

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF. NO	PARTS NO.	PARTS NAME
	CA101	QEN61EM-475Z	NP.E.CAPACITOR
	CA102	QFV71HJ-103ZM	TF.CAPACITOR
	CA103	QFV71HJ-183ZM	TF.CAPACITOR
	CA104	QETC1HM-684ZM	E.CAPACITOR
	CA105	QETC1HM-225ZM	E.CAPACITOR
	CA106	QFV71HJ-183ZM	TF.CAPACITOR
	CA107	QFV71HJ-103ZM	TF.CAPACITOR
	CA108	QFV71HJ-823ZM	TF.CAPACITOR
	CA109	QETC1HM-684ZM	E.CAPACITOR
	CA110	QETC1HM-225ZM	E.CAPACITOR
	CA111	QEN61EM-475Z	NP.E.CAPACITOR
	CA201	QEN61EM-475Z	NP.E.CAPACITOR
	CA202	QFV71HJ-103ZM	TF.CAPACITOR
	CA203	QFV71HJ-183ZM	TF.CAPACITOR
	CA204	QETC1HM-684ZM	E.CAPACITOR
	CA205	QETC1HM-225ZM	E.CAPACITOR
	CA206	QFV71HJ-183ZM	TF.CAPACITOR
	CA207	QFV71HJ-103ZM	TF.CAPACITOR
	CA208	QFV71HJ-823ZM	TF.CAPACITOR
	CA209	QETC1HM-684ZM	E.CAPACITOR
	CA210	QETC1HM-225ZM	E.CAPACITOR
	CA211	QEN61EM-475Z	NP.E.CAPACITOR
	CA801	QETC1CM-337ZM	E.CAPACITOR
	CA802	QETC1CM-337ZM	E.CAPACITOR
	CNA01	QMV5004-005	CONNECTOR

⚠	REF. NO	PARTS NO.	PARTS NAME
	CNA02	QMV5004-008	PLUG
	ICA01	HA12088ANT	DOLBY NR I.C
	LA101	VQZ0034-002	MPX FILTER
	LA102	VQZ0013-001S	FILTER
	LA201	VQZ0034-002	MPX FILTER
	LA202	VQZ0013-001S	FILTER
	RA101	QRD161J-222Y	CARBON RESISTOR
	RA102	QRD161J-472Y	CARBON RESISTOR
	RA103	QRD161J-682Y	CARBON RESISTOR
	RA105	QRD161J-332Y	CARBON RESISTOR
	RA106	QRD161J-102Y	CARBON RESISTOR
	RA107	QRD161J-683Y	CARBON RESISTOR
	RA108	QRD161J-101Y	CARBON RESISTOR
	RA201	QRD161J-222Y	CARBON RESISTOR
	RA202	QRD161J-472Y	CARBON RESISTOR
	RA203	QRD161J-682Y	CARBON RESISTOR
	RA205	QRD161J-332Y	CARBON RESISTOR
	RA206	QRD161J-102Y	CARBON RESISTOR
	RA207	QRD161J-683Y	CARBON RESISTOR
	RA208	QRD161J-101Y	CARBON RESISTOR
	RA801	QRD161J-100Y	CARBON RESISTOR
	RA802	QRD161J-100Y	CARBON RESISTOR
	RA803	QRD161J-222Y	CARBON RESISTOR
	RA804	QRD161J-203Y	CARBON RESISTOR
	RA805	QRD161J-103Y	CARBON RESISTOR

TD-W201 A/B/C/E/G/J/U
TD-W95 C/J

9 Exploded View of Mechanism Conposition (DECK A) PB only

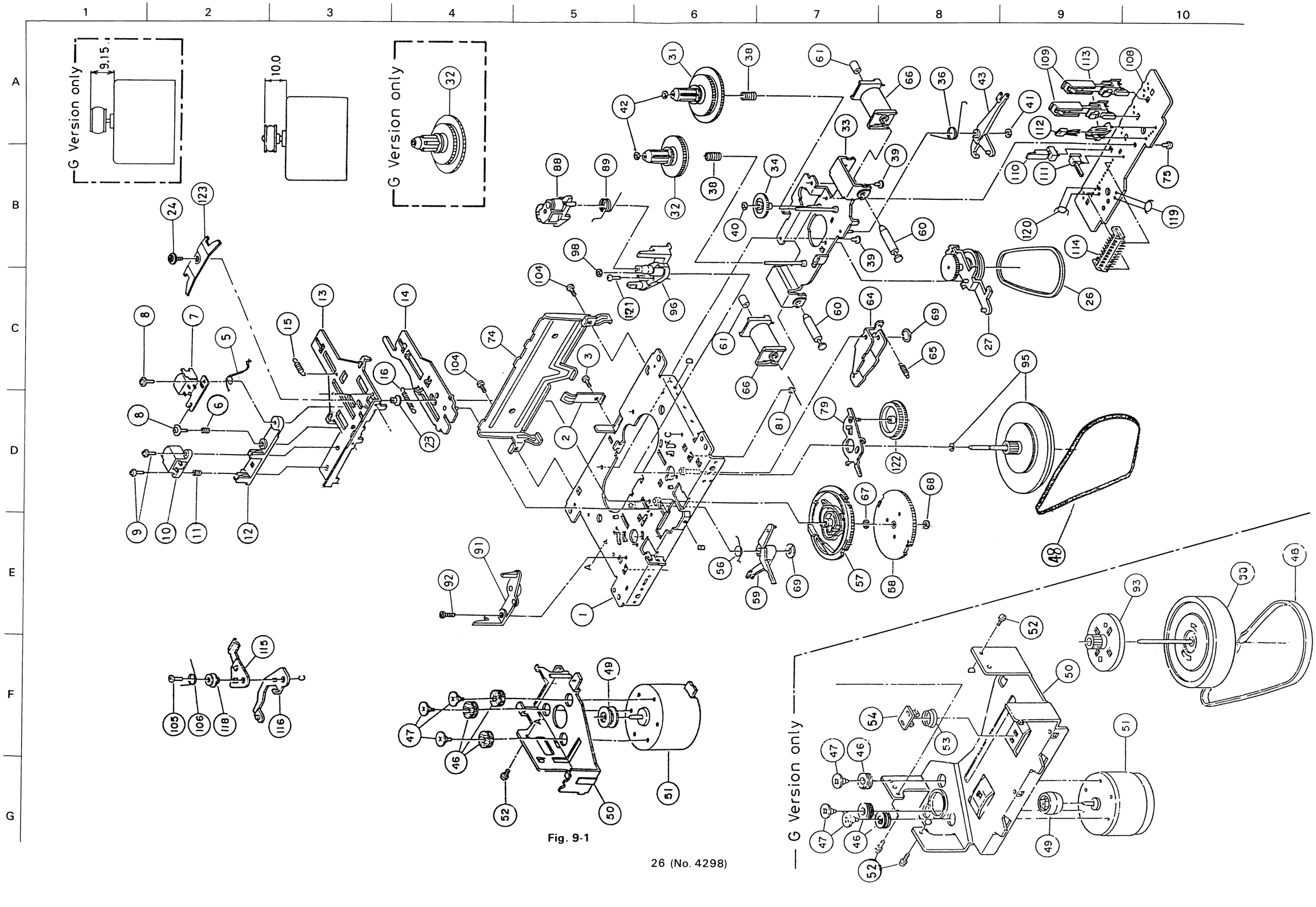


Fig. 9-1

■ Mechanism Component Parts List (DECK A)

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	188001501T	CHASSIS ASS'Y		1
	2	18800102T	PACK SPRING		1
	3	91780000T	SCREW		1
	5	18800417T	PINCH ROLL.SP.		1
	6	18210307T	AZIMUTH SPRING		1
	7	62010332T	HEAD		1
	8	92210000	SCREW		2
	9	92250000	SCREW		2
	10	62011303T	DUMY HEAD		1
	11	18210308T	SPRING		1
	12	18800208T	HEAD BASE		1
	13	18800207T	HEAD PANEL(A)		1
	14	188002501T	H.PANEL(B)ASS'Y		1
	15	18800204T	RC SPRING		1
	16	18800205T	PANEL SPRING		1
	23	18800219T	PANEL COLLAR		1
	24	99991816T	SCREW		1
	26	18800707T	RF BELT		1
	27	188007301T	RF CLUTCH ASS'Y		1
	31	188005301T	T.REEL ASS'Y F		1
	32	188005307T	S.REEL ASS'Y R		1
	33	188005501T	REEL BASE ASS'Y		1
	34	18800508T	FF GEAR		1
	36	18800517T	SPRING	FR TRIGGER ARM	1
	38	18800522T	B.T SPRING R		2
	39	91800000T	TH.TAP.SCREW		2
	40	94210000T	P.WASHER		1
	41	99997004T	WASHER		1
	42	99997003T	HL WASHER		2
	43	18800515T	RF TRIGGER ARM		1
	46	18211266T	MOTOR RUBBER		3
	48	18800944T	MAIN BELT		1
	49	18800937T	MOTOR PULLEY		1
	50	18800950T	MOTOR BRACKET		1
	51	60050342T	MOTOR	MMI-6H2LWK	1
	52	91800000T	TH.TAP.SCREW		1
	56	18800106T	SPRING	M.TRIGGER ARM	1
	57	18802115T	M GEAR		1
	58	18802116T	RF CAM GEAR		1
	59	18802103T	M TRIGGER ARM		1
	60	18802105T	PLUNGER		2
	61	18802106T	PLUNGER HOLDER		2
	64	188021503T	P K.LEVER ASS'Y		1
	65	18802111T	SPRING	P.KICK LEVER	1
	66	18802113T	SOLENOID		2
	67	95020000T	E.RING		1
	68	99997006T	WASHER		1
	69	99997004T	WASHER		2
	74	18805302T	SW PROTECTOR		1
	75	91800000	S TAPPING SCREW		1
	79	188005502T	T G. ARM(F)ASSY		1
	81	18800518T	SPRING	T.GEAR ARM	1
	82	18800535T	T GEAR		1
	88	188004303T	P.R. ARM(F) ASY		1
	89	18800403T	P ARM F SPRING		1
	91	18800107T	TAPE GUIDE		1
	92	91820000	C TAPPING		1
	95	188009307T	FLYWHEEL(F) ASY		1
	96	18800908T	FL METAL ASS'Y		1
	98	99997007T	WASHER		1
	104	91800000T	TH.TAP.SCREW		2
	105	99991404T	S TAPPING SCREW		1
	106	18801309T	E STOPP. SPRING		1
	108	18805313T	PC BOARD		1
	109	640101173T	LEAF SWITCH		2
	110	640101174T	LEAF SWITCH		1
	111	640101175T	LEAF SWITCH		1
	112	DN6851A	HALL IC		1
	113	18805303T	IC PROTECTOR		1
	114	68150207T	CONNECTOR		1
	115	18801301T	E STOPPER A(F)		1
	116	18801302T	E STOPPER B(F)		1
	118	18801305T	COLLAR		1
	119	QRD161J-222	C. RESISTOR	1/6W 2.2kΩ	1
	120	QRD161J-561	C. RESiSTOR	1/6W 560Ω	1
	121	91820000T	SCREW		1
	122	188005502T	T GEAR		1
	123	18800216T	PANEL SP PLATE		1

COMPARISON TABLE

REF NO	PARTS NAME	PARTS NO. EXCEPT G-MODEL	PARTS NO. G-MODEL ONLY
32	SUPPLY REEL ASS'Y	188005307T	188005302T
48	MAIN BELT	18800944T	18800941T
49	MOTOR PULLEY	18800937T	18800940T
50	MOTOR BRACKET	18800950T	18800913T
53	DAMPER SPRING	--------	18201310T
54	FL PATCH PLATE	--------	18201302T
93	FL GEAR(R)	--------	18800903T
95	FLYWHEEL ASS'Y	188009307T	18800916T

TD-W201 A/B/C/E/G/J/U
TD-W95 C/J

DECK B REC/PB

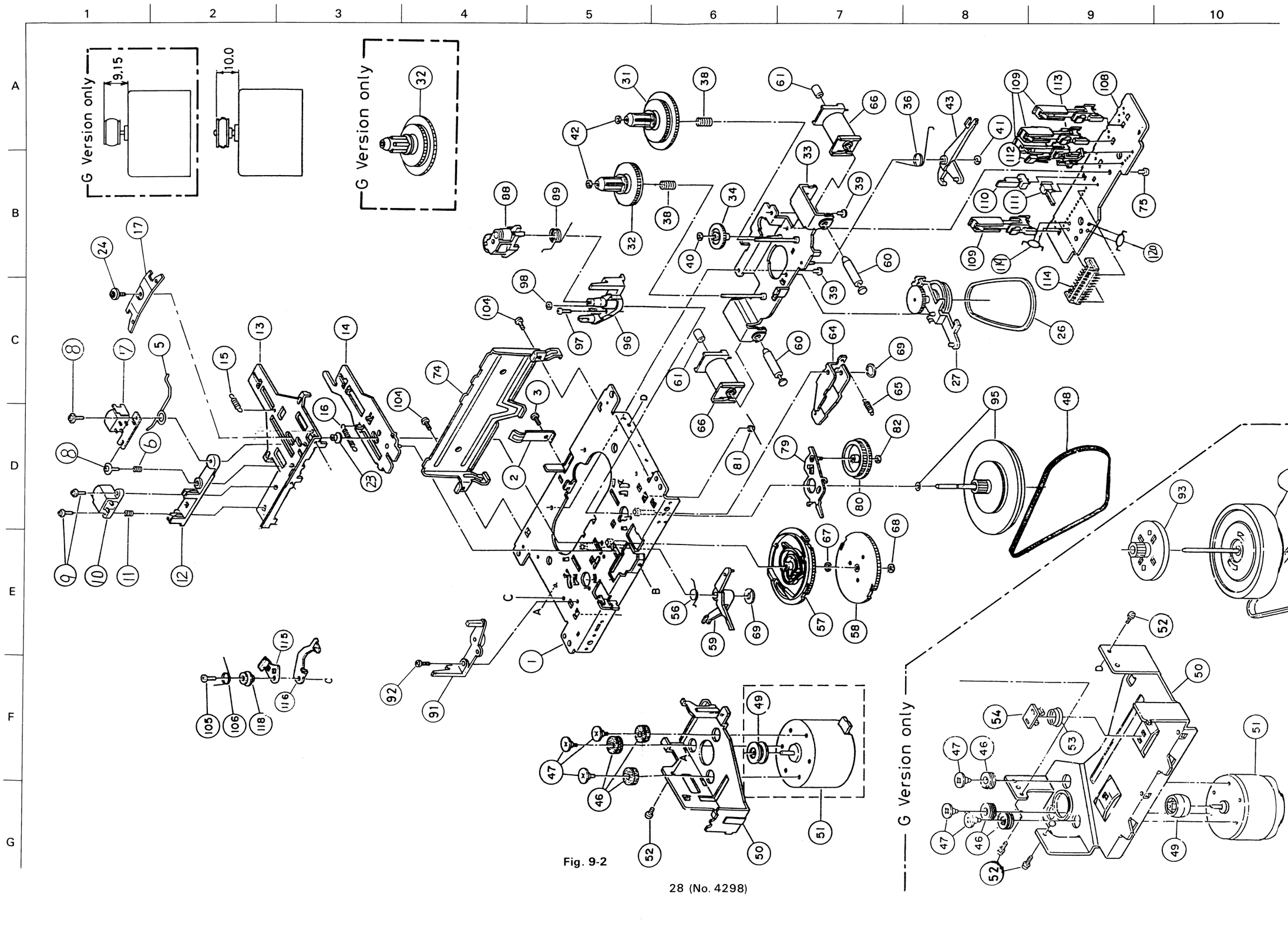


Fig. 9-2

■ Mechanism Composition Parts List (DECK B)

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	188001501T	CHASSIS ASS'Y		1
	2	18800102T	PACK SPRING		1
	3	91780000T	SCREW		1
	5	18800414T	PINCH ROLLER SP		1
	6	18210307T	AZIMUTH SPRING		1
	7	62010175T	R/P HEAD	RP-7442BS-0951	1
	8	92210000T	SCREW	FOR R/P HEAD	2
	9	92250000T	PM.SCREW	FOR E HEAD	2
	10	62011218T	E HEAD		1
	11	18210308T	SPRING	FOR E HEAD	1
	12	18800208T	HEAD BASE		1
	13	18800207T	HEAD PANEL(A)		1
	14	188002501T	H.PANEL(B)ASS'Y		1
	15	18800204T	RC SPRING		1
	16	18800205T	PANEL SPRING		1
	17	18800216T	PANEL SP. PLATE		1
	23	18800219T	PANEL COLLAR		1
	24	99991816T	SCREW	FOR HEAD PANEL	1
	26	18800707T	RF BELT		1
	27	188007301T	RF CLUTCH ASS'Y		1
	31	188005301T	T-UP REEL ASS'Y		1
	32	188005307T	S REEL ASS'Y		1
	33	188005501T	REEL BASE ASS'Y		1
	34	18800508T	FF GEAR		1
	36	18800517T	TENSION SPRING		1
	38	18800522T	BACK T.SPRING		2
	39	91800000T	SCREW	FOR REEL BASE ASS'Y	2
	40	94210000T	P.WASHER		1
	41	99997004T	WASHER		1
	42	99997003T	HL WASHER		2
	43	18800515T	RF TRIGGER ARM		1
	45	18800920T	MAT		1
	46	18211266T	MOTOR RUBBER		3
	47	18511418T	COLLAR SCREW		3
	48	18800944T	MAIN BELT		1
	49	18800937T	MOTOR PULLEY		1
	50	18800950T	MOTOR BRACKET		1
	51	60050342T	MOTOR		1
	52	91800000T	SCREW	FOR MOTOR BRACKET	1
	56	18800106T	SPRING		1
	57	18802115T	M GEAR		1
	58	18802116T	RF CAM GEAR		1
	59	18802103T	M TRIGGER ARM		1
	60	18802105T	PLUNGER		2
	61	18802106T	PLUNGER HOLDER		2
	64	188021503T	P K.LEVER ASS'Y		1
	65	18802111T	SPRING		1
	66	18802113T	SOLENOID		2
	67	95020000T	E.RING		1
	68	99997006T	WASHER		1
	69	99997004T	WASHER		2
	74	18805302T	SW PROTECTOR		1
	75	91300000T	SCREW	FOR SWITCH BOARD	1
	79	188005502T	T GEAR ARM ASSY		1
	80	18800535T	T GEAR		1
	81	18800518T	SPRING		1
	82	94210000T	P.WASHER		1
	88	188004303T	P.R.ARM F ASS'Y		1
	89	18800403T	P ARM F SPRING		1
	91	18800107T	TAPE GUIDE		1
	92	91820000T	SCREW		1
	95	188009307T	FLYWHEEL ASS'Y		1
	96	18800908T	FL METAL ASS'Y		1
	97	91820000T	SCREW		1
	98	99997007T	WASHER		1
	104	91800000T	SCREW		2
	105	99991404T	S TAPPING SCREW		1
	106	18801309T	E STOPP. SPRING		1
	108	18805313T	PC BOARD		1
	109	640101173T	LEAF SWITCH		4
	110	640101174T	LEAF SWITCH		1
	111	640101175T	LEAF SWITCH		1
	112	DN6851A	HALL IC		1
	113	18805303T	IC PROTECTOR		1
	114	68150207T	CONNECTOR		1
	115	18801306T	E STOPPER A (R)		1
	116	18801307T	E STOPPER B (R)		1
	118	18801305T	COLLAR		1
	119	68040506T	RESISTER	560 OHM 1/6W	1
	120	68040505T	RESISTER	2.2K OHM 1/6W	1

COMPARISON TABLE

REF NO	PARTS NAME	PARTS NO. EXCEPT G-MODEL	PARTS NO. G-MODEL ONLY
32	SUPPLY REEL ASS'Y	188005307T	188005302T
48	MAIN BELT	18800944T	18800941T
49	MOTOR PULLEY	18800937T	18800940T
50	MOTOR BRACKET	18800950T	18800913T
53	DAMPER SPRING	--------	18201310T
54	FL PATCH PLATE	--------	18201302T
93	FL GEAR(R)	--------	18800903T
95	FLYWHEEL ASS'Y	188009307T	18800916T

TD-W201 A/B/C/E/G/J/U
TD-W95 C/J

10 Exploded View of Enclosure Assembly

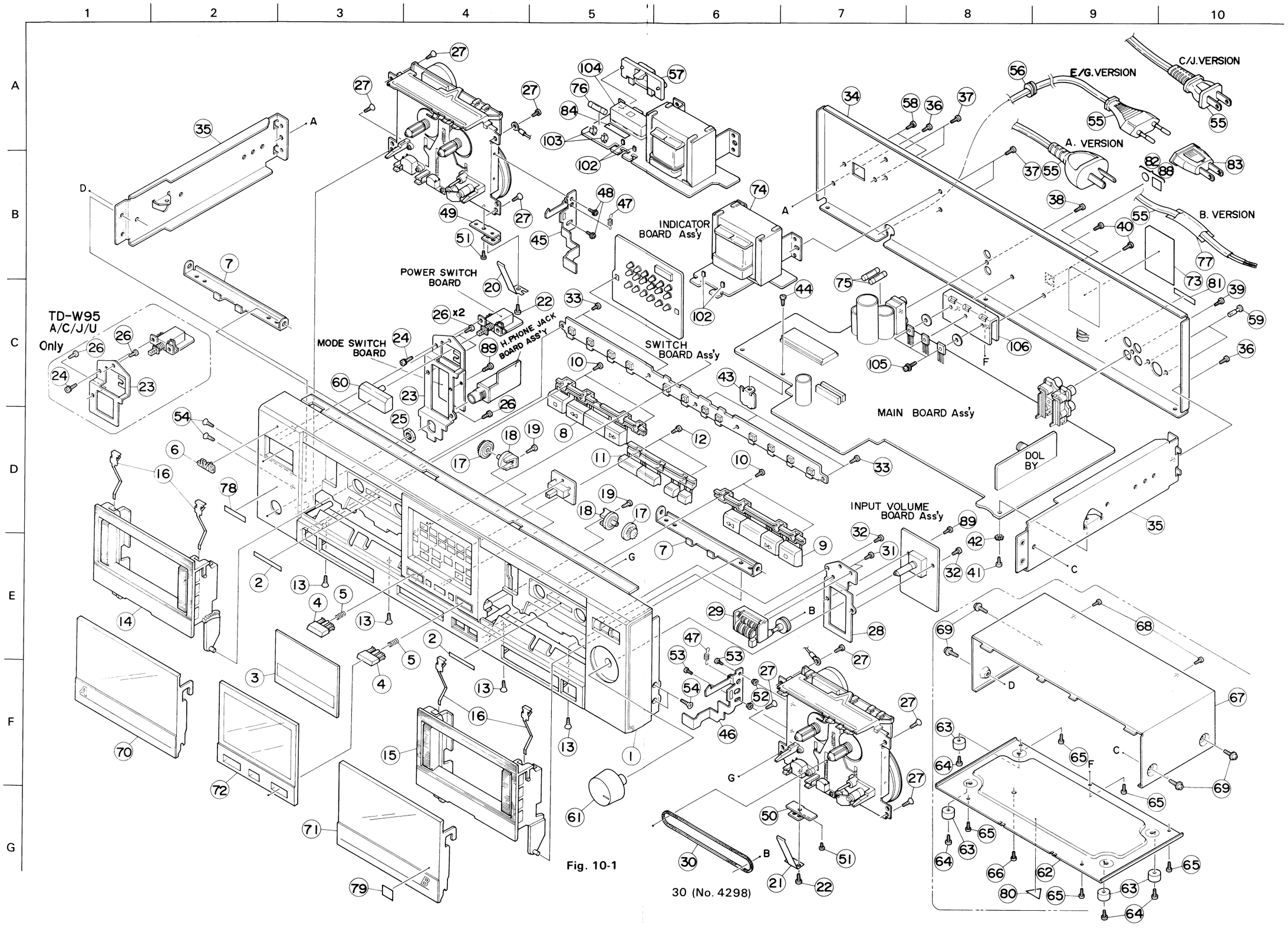


Fig. 10-1

30 (No. 4298)

■ Enclosure Assembly Parts List

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	VJC1788-207UL	FRONT PANEL	C/J VERSION	1
		VJC1788-208	FRONT PANEL		1
	2	VJD4024-001	REFLECTION PLAT		2
	3	VJD5210-002	LED PLATE		1
	4	VXP4349-00A	PUSH BUTTON	EJECT	2
	5	VKW3001-063	COMP.SPRING	FOR EJECT	2
	6	E72968-001	JVC MARK		1
	7	VKL6620-002	MECHA BRACKET		2
	8	VXP3320-001	MECHA BUTTON	DECK A	1
	9	VXP3320-002	MECHA BUTTON	DECK B	1
	10	SDSF2608Z	SCREW	FOR MECHANISM BUTTON	4
	11	VXP4878-001	DUBBING BUTTON	(OR VXP4878-002)	1
	12	SDSF2608Z	SCREW	FOR DUBBING BUTTON	2
	13	SSST3006Z	SCREW	FOR MECHA.BRACKET	4
	14	VJT2212-001	CASSETTE HOLDER	DECK A	1
	15	VJT2212-002	CASSETTE HOLDER	DECK B	1
	16	VKY4569-001	CASSETTE SPRING		4
	17	VYH5601-002	GEAR		2
	18	VYH5602-002	DAMP HOLDER	GREASE NO. G-333	2
	19	SBSF3008Z	SCREW	FOR DAMPER HOLDER	2
	20	VKY4563-001	HOLDER SPRING	DECK A	1
	21	VKY4563-002	HOLDER SPRING	DECK B	1
	22	SDST2604Z	SCREW	FOR HOLDER SPRING	2
	23	VKL6631-001	POWER BRACKET	W201 VERSION ONLY	1
	24	LPSP3006Z	SCREW	FOR POWER SWITCH	1
	25	VKZ4150-001	SPECIAL NUT	H.P.JACK,W201 V.ONLY	1
	26	SBSF3008Z	SCREW	FOR POWER BRACKET	3
	27	SSSF3010Z	SCREW	FOR MECHANISM	8
	28	VKL6625-001	COUNTER BRAKET		1
	29	VKC5191-001T	TAPE COUNTER		1
	30	VKB3000-011	COUNTER BELT	FOR COUNTER	1
	31	SBSF2604Z	SCREW	FOR COUNTER ASS'Y	2
	32	SBSF3008Z	SCREW	FOR COUNTER BRACKET	2
	33	SBSF2608Z	SCREW	FOR SWITCH BOARD	5
	34	VJC2368-001	REAR PANEL		1
		VJC2368-002	REAR PANEL	G VERSION ONLY	1
		VJC2368-003	REAR PANEL	U VERSION ONLY	1
	35	VKM3235-001	SIDE CHASSIS		2
	36	SDST3006M	SCREW	SIDE + REAR	2
	37	SDST3006M	SCREW	FOR P.TRANSEFORMER	4
	38	SDSF3008M	SCREW	FOR DCS JACK	1
	39	SDSF3008M	SCREW	FOR PIN JACK	1
	40	SDSF3008M	SCREW	FOR HEAT SINK	2
	41	SDST3006Z	SCREW	FOR MAIN BOARD	1
	42	WBS3000N	WASHER		1
	43	VKL6626-001	AMP BRACKET(A)		1
	44	SDST3006Z	SCREW	FOR MAIN BOARD	1
	45	VKL6629-001	EJECT LEVER(L)	DECK A (OR VKL6629-002)	1
	46	VKL6630-001	EJECT LEVER(R)	DECK B (OR VKL6630-002)	1
	47	VKW3002-263	TENSION SPRING	FOR EJECT LEVER	2
	48	VKZ4341-003	SPECIAL SCREW	FOR EJECT LEVER	2
	49	VKL6683-001	SPRING HOLDER L	DECK A	1
	50	VKL6683-002	SPRING HOLDER R	DECK B	1
	51	SDST2006Z	SCREW	FOR S.HOLDER	2
	52	VKH3001-083	FLANGE COLLAR	FOR EJECT LEVER	2
	53	SDST2006Z	SCREW	FOR EJECT LEVER	2
	54	SSST3006Z	SCREW	FOR FRONT PANEL	4
⚠	55	QMP1200-200	POWER CORD	C/J VERSION	1
⚠		QMP2560-200	POWER CORD	A VERSION	1
⚠		QMP3900-200	POWER CORD	E/G VERSION	1

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
		QMP7380-200	POWER CORD	U VERSION	1
		QMP9017-008BS	POWER CORD	B VERSION	1
	56	QHS3876-162	S.R.BUSHING		1
		QHS3876-162BS	S.R.BUSHING	B VERSION ONLY	1
	57	VKS5011-001	VOLTAGE CONTACT		1
	58	SDSF3008M	SCREW	VOLTAGE CONTACT	2
	59	E48729-002	PLASTIC RIVET	DIN JACK	2
	60	VXP4879-001	PUSH BUTTON	POWER SWITCH	1
	61	VXL4335-002	KNOB	INPUT LEVEL	1
	62	VJC2357-001	BOTTOM COVER		1
	63	E47227-020	FOOT		4
	64	SDST3008Z	SCREW	FOR FOOT	4
	65	SDST3006Z	SCREW	BOTTOM COVER	5
	66	SDSP3006N	SCREW	FOR BOTTOM	1
	67	VJC2358-001	TOP COVER		1
	68	SDST3006M	SCREW	FOR TOP COVER B.SIDE	2
	69	VKZ3001-004	SPECIAL SCREW	FOR TOP COVER	4
	70	VJT2213-008	CASSETTE LID	DECK A	1
	71	VJT2213-015	CASSETTE LID	DECK B	1
	72	VJK3464-002	FINDER		1
⚠	73	VYN2237-002PA	NAME PLATE	A/B VERSION	1
⚠		VYN2237-004PA	NAME PLATE	C VERSION	1
⚠		VYN2237-005PA	NAME PLATE	E VERSION	1
⚠		VYN2237-006PA	NAME PLATE	J VERSION	1
⚠		VYN2237-007PA	NAME PLATE	U VERSION	1
		VYN2237-008PA	NAME PLATE	G VERSION	1
⚠	74	VTP52A3-011F	POWER TRANS	T01 C/J VERSION	1
⚠		VTP52G3-011F	POWER TRANS	T01 U VERSION	1
⚠		VTP52M3-011F	POWER TRANS	T01 A/E/G VERSION	1
		VTP52M3-011FBS	POWER TRANS	T01 B VERSION	1
⚠	75	QMF51A2-R80	FUSE	A/E/G/U VERSION	2
⚠		QMF51E2-R80BS	FUSE	B VERSION	2
	76	QMF51A2-R20	FUSE	F01 U VERSION	1
	77	QZL1002-003	WARNING LABEL	B VERSION	1
	78	TJL000420-01	CAUTION LABEL	B VERSION	1
	79	VNC5004-001	MARK STICKER	B/E/G VERSION	1
	80	VND4113-001	G.CAUTION CARD	B/J VERSION	1
	81	VND4205-004	CAUTION LABEL	B VERSION	1
	82	T44362-001	CSA LABEL	C VERSION	1
	83	V04062-001	CONTI.PLUG	U VERSION	1
	84	VND4003-032	FUSE LABEL	U VERSION	1
	88	VND4037-002	F MARK	G VERSION	1
	89	SDST2606Z	SCREW	MODE SWITCH/INPUT VOLUM	2
	102	VMZ0034-002	TAB		2
		VMZ0034-002	TAB		2
	103	VMZ0043-001S	FUSE CLAMP	A/B E/G/U VERSION	4
		VMZ0043-001S	FUSE CLAMP	U BERSION	2
	104	QSS2325-113	SLIDE SWITCH	U VERSION	1
	105	DPSP3008Z	SCREW		3
	106	VMH4011-002	HEAT SINK		1
	1,6,2	ZCTDW95J-FBK	FRONT PANED ASS'Y	C/J VERSION	1
	//	ZCTDW201J-FBK	//	C/J VERSION	1
	//	ZCTDW95K-FBK	//	EXSEPT C/J VERSION	1
	//	ZCTDW201K-FBK	//	EXSEPT C/J VERSION	1
	14,16	ZCTDW95K-CH-A	CASSETTE HOLDER ASS'Y	TD-W95 ONLY	1
	//	ZCTDW201K-CH-A	//	TD-W201 ONLY	1
	15,16	ZCTDW95K-CH-B	//	TD-W95 ONLY	1
	//	ZCTDW201K-CH-B	//	TD-W201 ONLY	1

COMPARISON TABLE

⚠	REF.	PARTS NAME	TD-W201 PARTS NO.	TD-W95 PARTS NO.
	1	FRONT PANEL	VJC1788-207UL	VJC1788-205UL
	1	FRONT PANEL	VJC1788-208	VJC1788-206
	23	POWER BRACKET	VKL6631-001	VKL6621-001
	25	SPECIAL NUT	VKZ4150-001	————

11 Accessories

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
		BT20029C	WARRANTY CARD	A VERSION	1
		BT20044F	SAFETY GUIDE	J VERSION	1
		BT20047D	WARRANTY CARD	J VERSION	1
		BT20047D	WARRANTY CARD	U VERSION	1
		BT20060	WARRANTY CARD	B VERSION	1
		BT20064A	WARRANTY CARD	G VERSION	1
		BT20066A	WARRANTY CARD	B/G VERSION	1
		BT20071A	SVC CENTRE LIST	C VERSION	1
		BT20098	WARRANTY CARD	A VERSION	1
		BT20108	WARRANTY CARD	J VERSION	1
		BT20108	WARRANTY CARD	U VERSION	1
		EWP805-001E	REMOTE WIRE		1
		E43486-340A	SAFTY INST SHEE	B VERSION	1
		TCP-3304	AUDIO TAPE PAMP		1
		VMP0039-00D	PIN CORD		1
		VNC2200-019	COPYRIGHT LAW	A/B/C/E/U VERSION	1
		VNC5311-203	CAUTION CARD	U VERSION FOR EES	1
		VNC5311-204	CAUTION CARD	U VERSION FOR PX	1
		VNN2237-661	INST BOOK		1

12 Packing and Packing Parts List

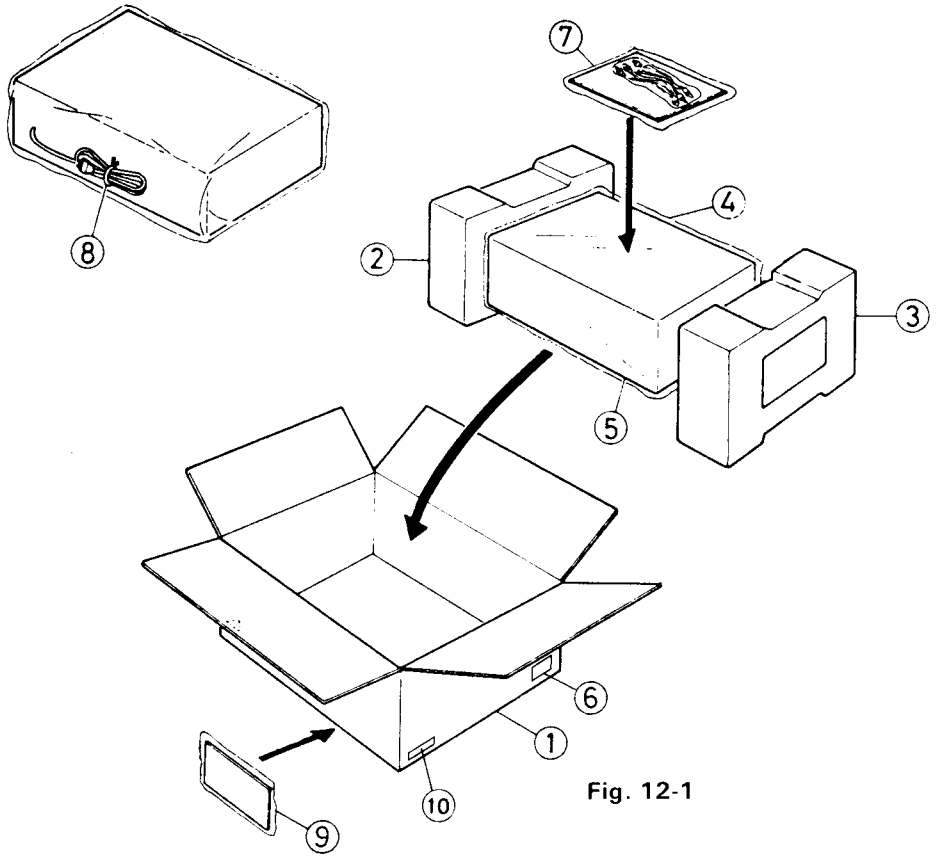


Fig. 12-1

■ Packing Parts List

⚠ Parts are safety assurance parts.
When replacing those parts, make sure to use the specified one.

⚠	REF.	PARTS NO.	PARTS NAME	REMARKS	QTY
	1	VPC2237-002	CARTON	TD-W201 ONLY	1
		VPC2238-002	CARTON	TD-W95 ONLY	1
	2	VPH2369-001	SIDE CUSHION(L)		1
	3	VPH2370-001	SIDE CUSHION(R)		1
	4	TKS000501-08	SHEET	FOR UNIT	1
	5	VPE3005-007	POLY BAG	FOR INST.BOOK	1
	6	VPE3005-026	POLY BAG	FOR UNIT	1
	7	E66416-003	ENVELOPE	J/U VERSION	1
	8	Q04141H	WIRE CLAMP	FOR POWER CORD	1
	9	VND3044-001	S.TICKET (WT)	A VERSION	1
		VND3044-001	S.TICKET (WT)	U VERSION	1
		VND3044-002	S.TICKET (OR)	J VERSION	2
		VND3044-003	S.TICKET (BU)	E VERSION	1
		VND3044-004	S.TICKET (GR)	B VERSION	1
		VND3044-005	S.TICKET (RD)	G VERSION	1
		VND3044-006	S.TICKET	C VERSION	2
	10	VND4909-001	VOLTAGE LABEL	U VERSION	1

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